

GenCore version 5.1.8
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OM nucleic - nucleic search, using sw model

Run on: May 6, 2006, 19:28:56 ; Search time 2414 Seconds
(without alignments)
8453.521 Million cell updates/sec

Title: US-10-009-579A-5_COPY_3188_3546

Perfect score: 359

Sequence: 1 ccggcgaatttgcattctt.....tttttatagttctcgaa 359

Scoring table:

IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

GenEmbl.*

1: gb_ba.*
2: gb_in.*
3: gb_env.*
4: gb_on.*
5: gb_ov.*
6: gb_pat.*
7: gb_ph.*
8: gb_pr.*
9: gb_ro.*
10: gb_sts.*
11: gb_sy.*
12: gb_un.*
13: gb_vi.*
14: gb_htg.*
15: gb_pl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	359	100.0	4069	8 AY148099	Homo sapi
2	359	100.0	4282	6 AX254778	Sequence
3	359	100.0	171987	8 AC079775	Homo sapi
4	132.8	37.0	56173	8 AC011390	Homo sapi
5	132.8	37.0	130985	8 HSA243213	Homo sapi
6	132.8	37.0	133553	8 AC008627	Homo sapi
7	132.8	36.9	84710	8 HSB358N2	Human DNA
8	130.8	36.4	176075	8 AC017079	Homo sapi
9	127.4	35.5	162509	8 AL137852	Human DNA
10	127	35.4	568	6 BD152002	Primer fo
11	127	35.4	568	6 AX871940	Sequence
12	126.8	35.3	139255	8 AL512642	Human DNA
13	126.8	35.3	148285	14 AL451053	Homo sapi
14	126.8	35.3	192096	8 AL590133	Human DNA
15	126	35.1	110459	8 AC117378	Homo sapi
16	126	35.1	113802	8 AL137003	Human DNA
17	126	35.1	132070	8 AC003663	Homo sapi
18	126	35.1	160298	14 AC067818	Homo sapi

19	126	35.1	161139	8 AC132812	Homo sapi
20	125.8	35.0	138604	8 AC104826	Homo sapi
21	125.8	35.0	160457	8 AC006016	Homo sapi
22	125.8	35.0	169334	14 AC025406	Homo sapi
23	125.8	35.0	172464	14 AC140889	Homo sapi
24	125.8	35.0	201312	14 AC067900	Homo sapi
25	125.6	35.0	54666	8 AC073487	Homo sapi
26	125.6	35.0	105736	14 AC090678	Homo sapi
27	125.6	35.0	197137	14 AC024384	Homo sapi
28	125.4	34.9	88119	8 AL450325	Human DNA
29	125.4	34.9	175067	14 AC040898	Homo sapi
30	125.4	34.9	180754	14 AC148963	Homo sapi
31	125	34.8	61371	14 AC105135	Homo sapi
32	125	34.8	190579	14 AC018736	Homo sapi
33	125	34.8	190836	8 AC105910	Homo sapi
34	124.8	34.8	52468	14 AC022628	Homo sapi
35	124.8	34.8	186563	8 AC104452	Homo sapi
36	124.8	34.8	186925	14 AC087503	Homo sapi
37	124.6	34.7	161780	8 AC145893	Homo sapi
38	124.4	34.7	68470	14 AC116011	Homo sapi
39	124.4	34.7	85123	8 AC125616	Homo sapi
40	124.4	34.7	137242	8 AC063943	Homo sapi
41	124.4	34.7	183228	8 AC010547	Homo sapi
42	124.4	34.7	203050	14 HS44N10	Homo sapi
43	124.4	34.7	206943	14 AC138848	Homo sapi
44	124.4	34.7	208497	14 AC090584	Homo sapi
45	124.4	34.7	209512	8 CNS0180V	Human chr

ALIGNMENTS

RESULT 1	AY148099	Homo sapiens EGP2	4069 bp	DNA	linear	PRI 12-NOV-2002
LOCUS	AY148099	Homo sapiens EGP2 (TACSTD1) gene, promoter region and 5'UTR.				
DEFINITION	AY148099					
ACCESSION	AY148099.1	GI:24935271				
VERSION						
KEYWORDS						
SOURCE						
ORGANISM						
REFERENCE						
AUTHORS						
TITLE						
JOURNAL						
REFERENCE						
AUTHORS						
TITLE						
JOURNAL						
FEATURES						
source						
gene						
promoter						
mRNA						
5'UTR						

[illegible]

JOURNAL Submitted (26-JAN-2002) DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA

COMMENT On Jan 26, 2002 this sequence version replaced gi:7710540. Draft Sequence Produced by DOE Joint Genome Institute www.jgi.doe.gov

Finishing Completed at Stanford Human Genome Center www.shgc.stanford.edu

FEATURES Location/Qualifiers

source 1..56173

 /organism="Homo sapiens"

 /mol_type="genomic DNA"

 /db_xref="taxon:9606"

 /chromosomes="5"

 /clone="CTB-176115"

ORIGIN

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Best Local Similarity 76.8%; Pred. No. 4.2e-19;

Matches 175; Conservative 0; Mismatches 52; Indels 1; Gaps 1;

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Db 43992 CCGCGCTAAATTTGTAT- TTTTAGTAGAGACGGGGTTTCTCCATGTTGGTCAGGCTGGTC 44050

Qy 61 TCGAACTTCAAACTCAGGTGATCCGCCGCTCGCGCTCCCAAGTCTAGGATTACAG 120

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Db 44051 TCGAACTTCTGAACTCAGGTGATCCGCCGCTCGCGCTCCCAAGTCTGGGATTACAG 44110

Qy 121 GCGTGAAGCCACCGCTCAGCTCGGGAACACCTTTTTCATCATCTTCAAGTCTAGAAAT 180

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Db 44111 GCATGAGCCACCGCGCCGCCAGGAATGAAGTTTGATACATGCTACCACATGGATGAA 44170

Qy 181 GCTTATGAAAACGAAAAAGAAATTTAAGAGTAATTTAAGAAGAAACA 228

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Db 44171 CCTTAAAAATAAATGAACAAATAAATAAGTGAATAAATCAACACACA 44218

RESULT 5

HS243213/c

LOCUS HS243213 130985 bp DNA linear PRI 02-FEB-2000

DEFINITION Homo sapiens partial 5-HT4 receptor gene, exons 2 to 5.

ACCESSION AJ243213

VERSION AJ243213.1 GI:6900061

KEYWORDS 5-HT4 gene; 5-HT4 receptor.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1

AUTHORS Bender,E., Pindon,A., van Oers,I., Zhang,Y.B., Gommeren,W., Verhasselt,P., Jurzak,M., Leysen,J. and Luyten,W.

TITLE Structure of the human serotonin 5-HT4 receptor gene and cloning of a novel 5-HT4 splice variant

JOURNAL J. Neurochem. 74 (2), 478-489 (2000)

PUBMED 10646498

REFERENCE 2 (bases 1 to 130985)

AUTHORS Bender,E.

TITLE Direct Submission

JOURNAL Submitted (17-JUN-1999) Bender E., Functional Genomics, Janssen Pharmaceutica, Turnhoutseweg 30, B-2340 Beerse, BELGIUM

FEATURES Location/Qualifiers

source 1..130985

 /organism="Homo sapiens"

 /mol_type="genomic DNA"

 /db_xref="taxon:9606"

 /clone="pBelOBAC11-228K23"

 /clone_lib="Human genomic DNA in pBelOBAC11 (Research Genetics, Huntsville, AL, U.S.A.)"

 /genbank="94002

 /genes="5-HT4"

gene

ORGANISM	Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE AUTHORS	1 (bases 1 to 176075) Hawkins, M., Maupin, R., Le, T. and Belter, B.
TITLE	The sequence of Homo sapiens BAC clone RP11-462M9
JOURNAL	Unpublished (2001)
REFERENCE AUTHORS	2 (bases 1 to 176075) Waterston, R.H.
TITLE	Direct Submission
JOURNAL	Submitted (09-DEC-1999) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
REFERENCE AUTHORS	3 (bases 1 to 176075) Waterston, R.H.
TITLE	Direct Submission
JOURNAL	Submitted (15-APR-2001) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
REFERENCE AUTHORS	4 (bases 1 to 176075) Waterston, R.
TITLE	Direct Submission
JOURNAL	Submitted (09-AUG-2001) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA
REFERENCE AUTHORS	5 (bases 1 to 176075) Waterston, R.
TITLE	Direct Submission
JOURNAL	Submitted (21-APR-2005) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
REFERENCE AUTHORS	6 (bases 1 to 176075) Wilson, R.K.
TITLE	Direct Submission
JOURNAL	Submitted (21-APR-2005) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
COMMENT	On Apr 15, 2001 this sequence version replaced gi:13431206. ----- Genome Center Center: Washington University Genome Sequencing Center Center code: WUGSC Web site: http://genome.wustl.edu Contact: submissions@watson.wustl.edu ----- Summary Statistics ----- Center project name: H_NH0462M09 ----- NOTICE: This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest. MAPPING INFORMATION: Mapping information for this clone was provided by Dr. Wes Warren, Department of Genetics, Washington University, St. Louis MO. For additional information about the map position of this sequence, see http://genome.wustl.edu SOURCE INFORMATION: The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osogawa, K., Woon, P. Y., Zhao, B., Frengen, E., Tateno, M., Catanese, J. J. and de Jong, P. J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at http://www.chori.org VECTOR: pBac3.6 NEIGHBORING SEQUENCE INFORMATION:
FEATURES	source Location/Qualifiers 1..176075 /organism="Homo sapiens" /mol_type="genomic DNA" /db_xref="taxon:9606" /chromosome="2" /clone="RP11-462M9" /clone_lib="RPCI-11" 2003..-37935 /gene="UGCGLI1" Join(2003..-2101,2906..-2929,3766..-3860,6028..-6234, 6974..-7105,7652..-7782,11244..-11339,16802..-16904, 17719..-17798,19087..-19276,20295..-20453,21287..-21372, 23328..-23412,24346..-24434,24982..-25083,26300..-26384, 27404..-27586,28644..-28804,30189..-30303,33197..-33313, 33963..-34128,36231..-37935) /gene="UGCGLI1" Join(<2003..-2101,2906..-2929,3766..-3860,6028..-6234, 6974..-7105,7652..-7782,11244..-11339,16802..-16904, 17719..-17798,19087..-19276,20295..-20453,21287..-21372, 23328..-23412,24346..-24434,24982..-25083,26300..-26384, 27404..-27586,28644..-28804,30189..-30303,33197..-33313, 33963..-34128,36231..-36256) /gene="UGCGLI1" /note="Homo sapiens UDP-glucose ceramide glucosyltransferase-like 1, mRNA (cDNA clone MGC:46056 IMAGE:5492334), complete cds.; H_NH0462M09.1 This gene was based on gi(26996809) Continued from H_NH0398G09.1" /codon_start=3 /product="unknown" /protein_id="AAV14735.1" /db_xref="GI:62822186" /translation="NFFVDDYARFTILDSQKTAAVANSMNYLTKKGMSSKEIYDDSP IRPVTFWVGDFDSFGRLYLDAIKHQKSSNNRISMNNPAKELSYENTQISRAIM AALQQTNSAANKFTTKMAKEGAALAGADIAEFSVGDMDFSLFKFVPESSKMDFI LSHAVYCRDLVKLKGQRAVISNGRIIGLEPSELFDHLLNIILKTSQKIKRS HTQOLRVEDVASDLVMKVDALLSAQKDPRIEYQFFDRHSAILKRLPEISFV VAVDPVTEAQRALPLIALVLAQLINMLRVMNCOSKLSMDPLKSFYRLVPEISF TSDNSFAGPIAKFLDMPQSPFLTLNLTPESSMVESVETPYVDLNDVILEEVDVAA EYELYLLLEGHCYDITTCGPRGQFTLGTISANPVIIVDTIVMANIGYFQLKANPGAW ILRLKRSEDIYRIYSHDGTSPDPADEVIVLNNFKSKLIKVKQKKADWNEIDL SDGTSENGSFWDSEFKWFTGQTEEVKQDDIINFVSAGHLVFERFLRMILSVL KNTKTPVKFWFLKNYLSPTFKFIPYMANEYNFOYELVQYKWPRLWQQTREKQRIWIG YKILFDLVLPVLVDKFLVDADQIVRTDLKELDFNLGDAPYGYTPFCDSRREMDGY RWKSGYASHLAGRKYHLSALYVVDLKFPRKTAAGRLRGQYQGLSQDPSNLNLDQ DLPNNHMQVPIKSGYFQVWLWCETCCDASKKATIDICLNFTWTKPKLEAAVRIVP EWQDYDQBIKQIRFQKEKTCALYKTKPSREGPKQREEL" 54569..-54786 /note="CpG island (GC=67.0, o/e=0.76, #CpGs=19)" 65986..-66196 /note="CpG island (GC=57.3, o/e=0.94, #CpGs=17)" 79281..-80265 /note="CpG island (GC=69.9, o/e=0.83, #CpGs=96)" complement(113972..-165192) /gene="HS6ST1" complement(join(113972..-115384,164551..-165192)) /gene="HS6ST1" complement(join(114676..-115384,164551..-165047)) /gene="HS6ST1" /note="Homo sapiens heparan sulfate 6-O-sulfotransferase 1 (HS6ST1), mRNA; H_NH0462M09.2 This gene was based on gi(4758565)" /codon_start=1 /product="unknown" /protein_id="AAV14736.1"


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PTADTSGDSSGNLFSDATSVLTGQSYENWTEINSMGYERQVIAALRASFPNP
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/note="Single clone region. Sequence from reads from a
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Restriction digest data confirm the assembly."
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Best Local Similarity 89.7%; Pred. No. 6.2e-18;
Matches 148; Conservative 0; Mismatches 16; Indels 1; Gaps 1;
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Db 29321 CCCGCTAATTTTGTAT-TTTTAGTAGAACGGGGTTTCTCCATCTTGGTCAGGCTGTC 29263
QY 61 TCGAACTTCAAACTTCAGTGATCGCCGCTCGCGCTCCCAAGTCTAGGATTACAG 120
Db 29262 TTGAACCTCCAGCTTCAGTGATCGCCGCTCGCGCTCCCAAGTCTAGGATTACAG 29203
QY 121 CGGTGAGCCACCGCGCTCAGCTCGGAAACACATTTTCTTACATCT 165
Db 29202 ACGTGAGCCACCGCGCCAGCTCGATACATCTTTTCTTGCAAT 29158
RESULT 10
BD152002
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
BD152002
Primer for synthesizing full-length cDNA and use thereof.
BD152002.1 GI:27857760
JP 2002191363-A/6845.
Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 568)
Ota.T., Isogai,T., Nishikawa,T., Hayashi,K., Saito,K., Yamamoto,J.,
Ishii,S., Sugiyama,T., Wakamatsu,A., Nagai,K. and Otsuki,T.
Primer for synthesizing full-length cDNA and use thereof
Patent: JP 2002191363-A 6845 09-JUL-2002;
HELIIX RESEARCH INSTITUTE
OS Homo sapiens (human)
PN JP 2002191363-A/6845
PD 09-JUL-2002
PF 28-JUL-2000 JP 2000280990
PI TOSHIO OTA, TAKAO ISOGAI, TETSUO NISHIKAWA, KOJI HAYASHI, KAORU
SAITO,
PI JUNICHI YAMAMOTO, SHIZUKO ISHII, TOMOYASU SUGIYAMA, AI WAKAMATSU,
PI KEIICHI NAGAI, TETSUJI OTSUKI
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PC C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/ PC
10,
PC C12P21/02, C12Q1/68, C12P21/08, G06F17/30, C12N15/00, C12N5/00 CC
Primer for synthesizing full-length cDNA and use thereof FH Key

FT source 1..568 /organism="Homo sapiens (human)".
FT Location/Qualifiers

FEATURES
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1..568
/organism="Homo sapiens"
/mol_type="genomic DNA"
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ORIGIN

Query Match 35.4%; Score 127; DB 6; Length 568;
Best Local Similarity 79.1%; Pred. No. 9.2e-18;
Matches 151; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

Qy 1 CCGCGCTAAATTTGTATCTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 60
Dy 142 CCGCGCTAAATTTGGTATTTTCAGTAGAGACAGGGTTTCTCCATGTTAGTCAGGCTGGTC 201

Qy 61 TCGAACTTCAAACTCAGGTGATCGCGCGCTCGGCTCCCAAGTCTAGGATTACAG 120
Dy 202 TCGAACTCCCGACCTCAGATGATCGGCCACCTCGGCTCCCAAGTCTGGGATTACAG 261

Qy 121 GCGTGAGCCACCGGCTCAGCTCGGAGACACTTTTCTTACATCTTCAAGTCTAGGATTACAG 180
Dy 262 GCGTGAGCCACCGCCAGCTTAAGAAATCTTTAAATAATTTTCTGGTCTCTACAT 321

Qy 181 GCTTATGAAAA 191
Dy 322 GTTCAGAGAAA 332

RESULT 11

AX871940
LOCUS AX871940 568 bp DNA linear PAT 17-DEC-2003
DEFINITION Sequence 6845 from Patent EP1074617.
ACCESSION AX871940
VERSION AX871940.1 GI:40026767
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.

REFERENCE

1 Ota, T., Isogai, T., Nishikawa, T., Hayashi, K., Saito, K., Yamamoto, J.,
Ishii, S., Sugiyama, T., Wakamatsu, A., Nagai, K. and Otsuki, T.
Primers for synthesizing full-length cDNA and their use
Patent: EP 1074617-A 6845 07-FEB-2001;
JOURNAL Research Association for Biotechnology (JP)
Location/Qualifiers

FEATURES
source

1..568
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 35.4%; Score 127; DB 6; Length 568;
Best Local Similarity 79.1%; Pred. No. 9.2e-18;
Matches 151; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

Qy 1 CCGCGCTAAATTTGTATCTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 60
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Qy 61 TCGAACTTCAAACTCAGGTGATCGCGCGCTCGGCTCCCAAGTCTAGGATTACAG 120
Dy 202 TCGAACTCCCGACCTCAGATGATCGGCCACTCGGCTCCCAAGTCTGGGATTACAG 261

Qy 121 GCGTGAGCCACCGGCTCAGCTGGGACACCTTTTCTTACATCTTCAAGTCTAGGAAT 180
Dy 262 GCGTGAGCCACCGCCAGCCGCTAAAGAAATCTTTAAATAATTTTCTGGTCTCTACAT 321

Qy 181 GCTTATGAAAA 191

Dy 322 GTTCAGAGAAA 332

RESULT 12

AL512642/c
LOCUS AL512642/c
DEFINITION Human DNA sequence from clone RP11-469L23 on chromosome 13 Contains
the ALOX5AP gene for arachidonate 5-lipoxygenase-activating protein
(FLAP) and a novel gene, complete sequence.

ACCESSION AL512642
VERSION AL512642.18 GI:16944077
KEYWORDS HTG; ALOX5AP; FLAP.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.

1 (bases 1 to 139255)

Mashreghi-Mohammadi, M.

Direct Submission

AUTHORS

TITLE

JOURNAL

COMMENT

Submitted (13-MAY-2005) Wellcome Trust Sanger Institute, Hinxton,
Cambridgeshire, CB10 1SA, UK. E-mail enquiries: vegas@sanger.ac.uk
Clone requests: clonerequest@sanger.ac.uk
On Nov 15, 2001 this sequence version replaced gi:16444731.
The following abbreviations are used to associate primary accession
numbers given in the feature table with their source databases:
Em., EMBL; Sw., SWISSPROT; Tr., TREMBL; Wp., WORMPEP; Information
on the WORMPEP database can be found at
http://www.sanger.ac.uk/Projects/C_elegans/wormpep This sequence
was generated from part of bacterial clone contigs of human
chromosome 13, constructed by the Sanger Centre Chromosome 13
Mapping Group. Further information can be found at
http://www.sanger.ac.uk/HGP/Chr13
RP11-469L23 is from the library RPCI-11.2 constructed by the group
of Pieter de Jong. For further details see
http://www.chori.org/bacpac/home.htm
VECTOR: pBACe3.6

----- Genome Center

Center: Wellcome Trust Sanger Institute

Center code: SC

Web site: http://www.sanger.ac.uk

Contact: vegas@sanger.ac.uk

This sequence was finished as follows unless otherwise noted: all
regions were either double-stranded or sequenced with an alternate
chemistry or covered by high quality data (i.e., phred quality >=
30); an attempt was made to resolve all sequencing problems, such
as compressions and repeats; all regions were covered by at least
one subclone; and the assembly was confirmed by restriction digest,
except on the rare occasion of the clone being a YAC.

FEATURES

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misc_feature

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* 76796 76895: gap of 100 bp
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* 84773 84872: gap of 100 bp
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* 106387 106486: gap of 100 bp
* 106487 113126: contig of 6640 bp in length
* 113127 113226: gap of 100 bp
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* 122213 122312: gap of 100 bp
* 122313 124495: contig of 2183 bp in length
* 124496 124595: gap of 100 bp
* 124596 128594: contig of 3999 bp in length
* 128595 128694: gap of 100 bp
* 128695 132520: contig of 3826 bp in length
* 132521 132620: gap of 100 bp
* 132621 141424: contig of 8804 bp in length
* 141425 141525: gap of 100 bp
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FEATURES

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QY 61 TCGAACTTCAAACTCCAGGTGATCCGCCCTCGGCTCCCAAGTCTCAGGATTACAG 120
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QY 181 GCTTATGAAACGAAAAAGAA 202
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RESULT 14

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LOCUS

DEFINITION

Human DNA sequence from clone RP11-316M1 on chromosome 1 Contains the SETDB1 gene for SET domain, bifurcated 1, the LASS2 gene for LAG1 longevity assurance homolog 2 (S. cerevisiae), the ANXA9 gene for annexin A9, the gene for a novel protein (FLJ11280), the gene for Tcd37 homolog (HTCD37), the ENPL gene for BC12/adenovirus E1B 19kD interacting protein like, the gene for a novel protein (FLJ20519), the gene for small protein effector 1 of Cdc42 (SPEC1), the gene for ALM1-fused gene from chromosome 1q (AF1Q), two novel genes, the 5' end of a novel gene (MGC29891) and two CpG islands, complete sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

AL590133 192096 bp DNA linear PRI 18-MAY-2005
Human DNA sequence from clone RP11-316M1 on chromosome 1 Contains the SETDB1 gene for SET domain, bifurcated 1, the LASS2 gene for LAG1 longevity assurance homolog 2 (S. cerevisiae), the ANXA9 gene for annexin A9, the gene for a novel protein (FLJ11280), the gene for Tcd37 homolog (HTCD37), the ENPL gene for BC12/adenovirus E1B 19kD interacting protein like, the gene for a novel protein (FLJ20519), the gene for small protein effector 1 of Cdc42 (SPEC1), the gene for ALM1-fused gene from chromosome 1q (AF1Q), two novel genes, the 5' end of a novel gene (MGC29891) and two CpG islands, complete sequence.
AL590133 AC073204
AL590133.32 GI:20218562
HTG; AF1Q; ANXA9; BNIPL; CDC42; CpG island; FLJ11280; FLJ20519; HTCD37; LASS2; MGC29891; SETDB1; SPEC1; TCD37.
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 192096)
Bird,C.
Direct Submission
Submitted (17-MAY-2005) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: vegas@sanger.ac.uk
Clone requests: clonerequest@sanger.ac.uk
On Apr 19, 2002 this sequence version replaced gi:20196555.
The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em; ENBL; Sw; SWISSPROT; Tr; TrEMBL; Wp; WORKMFP; Information on the WORMPEP database can be found at
http://www.sanger.ac.uk/Projects/C_elegans/wormpep This sequence was generated from part of bacterial clone contigs of human chromosome 1, constructed by the Sanger Centre Chromosome 1 Mapping Group. Further information can be found at
http://www.sanger.ac.uk/HGP/Chrl
----- Genome Center
Center: Wellcome Trust Sanger Institute
Center code: SC
Web site: http://www.sanger.ac.uk
Contact: vegas@sanger.ac.uk

This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such

as compressions and repeats; all regions were covered by at least one subclone; and the assembly was confirmed by restriction digest, except on the rare occasion of the clone being a YAC.
RP11-316M1 is from the library RPCI-11.2 constructed by the group of Pieter de Jong. For further details see
<http://www.chori.org/bacpac/home.htm>
VECTOR: pBACE3.6
Draft Sequence Produced by Genome Sequencing Center, Washington University School of Medicine, 444 Forest Park Parkway, St. Louis, MO 63108, USA
<http://genome.wustl.edu/gsc/index.shtm1>.

FEATURES

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Location/Qualifiers

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Em:BE395669.1 Em:BE544349.1 Em:BE727922.1 Em:BE727991.1

Em:BE784129.1 Em:BE790566.1 Em:BE792839.1 Em:BF026775.1

Em:BF241505.1 Em:BG331938.1 Em:BG333121.1 Em:BG333851.1

Em:BG342188.1 Em:BG437451.1 Em:BG685286.1 Em:BG745393.1

Em:BG753913.1 Em:BG755888.1 Em:BM011729.1 Em:BM464383.1

Em:BM58159.1 Em:BQ675487.1 Em:BQ917875.1 Em:BQ935376.1

Em:BQ956716.1 Em:BU500506.1 Em:BU624516.1 Em:BU628854.1

Em:CB153628.1 Em:CB270416.1 Em:CB306095.1 Em:CF136791.1

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QY 121 GGGTGAGCACCAGCTCAGCTCGGAGCACACCTTTTCTTACATCTTCAAGTCTAGAAAT 180
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Db 36166 GCATGAGCACCGCGCGCGCTCAATCTCTATTTCACAGATACCTTTCTCTAATAAT 36107

QY 181 GCTTATGAACAGCAAAAAGAA 202
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Db 36106 GTATTTCGCTGTGAATTATGGA 36085

RESULT 15
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DEFINITION Homo sapiens 12 BAC RP11-112B10 (Roswell Park Cancer Institute
Human BAC Library) complete sequence.
ACCESSION AC117378 AC021586
VERSION AC117378.8 GI:23346656
KEYWORDS HTG.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominoidea; Homo.
1 (bases 1 to 110459)
Muzny,D.M., Adams,C., Adio-Oduola,B., Ali-oaman,F.R., Allen,C.,
Alsbrooks,S.L., Amaratunge,H.C., Are,J.R., Ayele,M., Banks,T.,
Barbajia,J., Benton,J., Binage,K., Blankenburg,K., Bonnin,D.,
Bouck,J., Bowie,S., Brieva,M., Brown,E., Brown,M., Bryant,N.P.,
Buhay,C., Burch,P., Burkett,C., Burrell,K.L., Byrd,N.C.,
Carroll,T.F., Carter,M., Cavazos,S.R., Chacko,J., Chavez,D.,
Chen,G., Chen,R., Chen,Z., Chiu,D., Chowdhry,I., Christopoulos,C.,
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Davila,M.L., Davis,C., Davy-Carroll,L., Dederich,D.A.,
Delaney,K.R., Delgado,O., Denn,A.L., Ding,Y., Dinh,H.H.,
Douthwaite,K.J., Draper,H., Dugan-Rocha,S., Durbin,K.J.,
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Escotto,M., Falls,T., Ferraguto,D., Flagg,N., Ford,J., Foster,P.,
Prantz,P., Gabisi,A., Gao,J., Garcia,A., Garner,T., Garza,N.,
Gill,R., Gorrall,J.H., Guevara,W., Gunaratne,P., Hale,S.,
Hamilton,K., Han,J., Harris,C., Harris,K., Hart,M., Havlak,P.,
Hawes,A., Hernandez,J., Hernandez,O., Hodgson,A., Hognes,M.,
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Lucier,A., Lucier,R., Luna,R., Martindale,A., Martinez,E., Massey,P.,
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Mawhney,E., McLeod,M.P., Meador,M., Mei,G., Merscher,S.,
Metzker,M., Miller,A., Miner,G., Miner,Z., Mitchell,T.,
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Neal,D., Nelson,D., Newton,J., Newton,N., Nguyen,A., Nguyen,N.,
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Nguyen,N., Nickerson,E., Nwokenkwo,S., Oguh,M., Okwuonu,G.,
Oragunye,N., Oviedo,R., Pace,A., Payton,B., Peery,J., Perez,L.,
Peters,L., Pickens,R., Primus,E., Pu,L.L., Quiles,M., Ren,Y.,
Rivers,M., Rojas,A., Rojibokan,I., Rolfe,M., Ruiz,S., Savery,G.,
Scherer,S., Scott,G., Shen,H., Shim,C., Shooshtari,N., Sleson,I.,
Sodergren,B., Sonake,T., Sparks,A., Stanley,H., Stone,H.,
Sutton,A., Svatek,A., Tabor,P., Tamerisa,A., Tamerisa,K., Tang,H.,
Tansey,J., Taylor,C., Taylor,T., Telford,B., Thomas,N., Thomas,S.,
Umani,K., Vasquez,L., Vera,V., Villalón,D., Vinson,R., Wang,Q.,
Wang,S., Ward-Moore,S., Warren,R., Washington,C., Watlington,S.,
Williams,G., Williamson,A., Wleczyk,R., Wooden,S., Worley,K.,
Wu,C., Wu,Y., Wu,Y.F., Zhou,J., Zorrilla,S., Kucherlapati,R.,
Weinstock,G. and Gibbs,R.

Direct Submission
Unpublished
2 (bases 1 to 110459)
Worley,K.C.

Direct Submission
Submitted (10-APR-2002) Human Genome Sequencing Center, Department
of Molecular and Human Genetics, Baylor College of Medicine, One
Baylor Plaza, Houston, TX 77030, USA

3 (bases 1 to 110459)
Worley,K.C.

Direct Submission
Submitted (29-JUN-2002) Human Genome Sequencing Center, Department
of Molecular and Human Genetics, Baylor College of Medicine, One
Baylor Plaza, Houston, TX 77030, USA

4 (bases 1 to 110459)
Worley,K.C.

Direct Submission
Submitted (30-SEP-2002) Human Genome Sequencing Center, Department
of Molecular and Human Genetics, Baylor College of Medicine, One
Baylor Plaza, Houston, TX 77030, USA

5 (bases 1 to 110459)
Worley,K.C.

Direct Submission
Submitted (01-OCT-2002) Human Genome Sequencing Center, Department
of Molecular and Human Genetics, Baylor College of Medicine, One
Baylor Plaza, Houston, TX 77030, USA

6 (bases 1 to 110459)
Worley,K.C.

Direct Submission
Submitted (15-MAR-2003) Human Genome Sequencing Center, Department
of Molecular and Human Genetics, Baylor College of Medicine, One
Baylor Plaza, Houston, TX 77030, USA

On Sep 30, 2002 this sequence version replaced gi:21490136.
INFORMATION: <http://www.hgsc.bcm.tmc.edu/> or email
gc-help@bcm.tmc.edu

CLONE LENGTH: This sequence does not necessarily represent the
entire insert of this clone. Overlapping regions of clones are only
sequenced and submitted once, so the sequence for the remainder of
the insert may be found in the record for the adjacent clones.
Overlapping clones are noted at the beginning and end of the
Features listing.

ANNOTATION OF FEATURES:

STSS are identified using ePCR (Genome Res. 7:541-550) searches
of a local database that includes entries from dbSTS, GDB, and
local mapping efforts.

Repeats are identified using RepeatMasker (A. Smit and P. Green,
unpublished.) for Human and Mouse sequences.

Genes and Region of sequence similarity are identified by BLAST
(Nuc. Acids Res. 25:3389-3402) similarity (expect < 1e-34) to the
EST and cDNA sequences. Genes demonstrate at least two exons
flanked by consensus splice sites that maintained sequence
continuity across the splice junctions. Sequences that are not
identical matches are annotated as similar.

SEQUENCING READ COVERAGE: Sequencing is completed to a minimum
standard of double strand coverage with a minimum of 2 clones and 2
reads with no ambiguities or 2 chemistries with a minimum of 2
clones and 3 reads with no ambiguities. If the sequence quality for

a region does not meet this standard, it will be indicated in the annotation as Low Coverage.

QUALITY OF INDIVIDUAL BASES: This sequence meets stringent quality standards - estimated error rate less than 1 per 10,000 bases.

Reports of lowest quality individual bases and measures of base quality are listed below. Description of the metrics can be found

at URL:
http://www.hgsc.bcm.tmc.edu:8088/quality.info/genbank.annotation.ht
ml.

FEATURES

source

Location/Qualifiers

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/db_xref="taxon:9606"
/chromosome="12"
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/function="clone overlap"
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repeat_region 12920. .13245
/rpt_family="MLT1B"
repeat_region 13246. .13383
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repeat_region 13384. .13690
/rpt_family="AluY"
repeat_region 13691. .13863
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Best Local Similarity 84.9%; Pred. No. 1.3e-17;

Matches 141; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

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Db 29694 CCCGGCTAATTTTGTATCTTTTAGTAGACGGCGTTCCTCCATGTTGTCAGGCTGGTC 29635
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QY 61 TCGAACTTCAAACCTCAGGTGATCGCCCGCTCGGCTCCCAAGTGTAGATTACAG 120
|||||
Db 29634 TCGAACTTCAAACCTCAGGTGATCGCCCGCTCGGCTCCCAAGTGTAGATTACAG 29575
|||||
QY 121 GGTGAGCCACCGCGCTCAGCTGGGAACACCTTTTCTTACATCTT 166
|||||
Db 29574 GGTGAGCCACCGCGCTCAGCTGGGAACACCTTTTCTTACATCTT 29529
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Search completed: May 6, 2006, 20:09:23
Job time : 2420 secs

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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 5, 2006, 17:29:32 ; Search time 401 Seconds
(without alignments)
5966.645 Million cell updates/sec

Title: US-10-009-579A-5_COPY_3188_3546

Perfect score: 359

Sequence: 1 cccggctaatttgcattctt.....tttttatagttcttgga 359

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 3332346308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

N_Geneseq_21.*
1: Geneseqn1980s.*
2: Geneseqn1990s.*
3: Geneseqn2000s.*
4: Geneseqn2001as.*
5: Geneseqn2001bs.*
6: Geneseqn2002as.*
7: Geneseqn2002bs.*
8: Geneseqn2003as.*
9: Geneseqn2003bs.*
10: Geneseqn2003cs.*
11: Geneseqn2003ds.*
12: Geneseqn2004as.*
13: Geneseqn2004bs.*
14: Geneseqn2005s.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	359	100.0	4282	4 AAL41898	Aal41898 Human CDV
2	127	35.4	568	4 AAL10010	Aal10010 Human CDV
3	126.8	35.3	98800	12 ADN06353_3	Continuation (4 of
4	126.8	35.3	98800	13 ADS94372_3	Continuation (4 of
5	124.4	34.7	1744	6 ABZ70301	Abz70301 Human tyr
6	123.8	34.5	344	4 AAK68705	Aak68705 Human imm
7	123.8	34.5	438	5 ABV13839	Abv13839 Human pro
8	123.4	34.1	160361	12 ADL08116	Adl08116 Human gen
9	122.2	34.0	22651	4 AAK78202	Aak78202 Human imm
10	122	34.0	313001	14 ADZ70075	Adz70075 Human ins
11	122	34.0	321019	13 ADS36450	Ads36450 Human aut
12	122	34.0	329019	13 ABD32707	Abd32707 Human can
13	121.8	33.9	381	6 ABL83966	Ab183966 Human ova
14	121.8	33.9	546	13 ACF91521	Acf91521 Human SIR
15	121.8	33.9	556	5 AAS90976	Aas90976 DNA encod
16	121.8	33.9	3470	5 ABV25066	Abv25066 Human pro
17	121.8	33.9	122673	14 AEA61123	Aea61123 Human PDE
18	121.4	33.8	30393	4 AAK67239	Aak67239 Human imm
19	121.2	33.8	291	11 ADZ57848	Adz57848 Human Alu

20	121.2	33.8	7793	8 ABZ73859	Abz73859 Secreted
21	121.2	33.8	7793	8 ADA98513	Ada98513 Human sec
22	121.2	33.8	7793	8 ADA44266	Ada44266 Human sec
23	121.2	33.8	7793	10 ADC20639	Adc20639 Human sec
24	121.2	33.8	7793	10 ADF10839	Adf10839 Human sec
25	121.2	33.8	7793	10 ABZ67436	Abz67436 Human sec
26	120.8	33.6	779	4 AAK90274	Aak90274 Human dig
27	120.8	33.6	779	4 AAI57654	Aai57654 Human col
28	120.8	33.6	779	6 ABS99831	Abs99831 Genomic D
29	120.8	33.6	779	10 ADB92984	Adb92984 Human col
30	120.8	33.6	1559	12 ADO15908	Ado15908 4 synthes
31	120.8	33.6	10159	4 AAK73470	Aak73470 Human imm
32	120.8	33.6	10159	4 AAK73471	Aak73471 Human imm
33	120.8	33.6	67253	14 AEA61178	Aea61178 Human GPR
34	120.4	33.5	47188	10 ADL13758	Adl13758 Osteoarth
35	120.2	33.5	3062	4 AAI14445	Aai14445 Human CDN
36	120.2	33.5	3062	4 ABX04191	Abx04191 Human mRN
37	120.2	33.5	4088	4 AAK87132	Aak87132 Human imm
38	120.2	33.5	83517	13 ABD32581	Abd32581 Human can
39	120	33.4	301	10 ADH59595	Adh59595 Alu-repea
40	120	33.4	2744	4 AAK79905	Aak79905 Human imm
41	120	33.4	2744	4 AAK79904	Aak79904 Human imm
42	120	33.4	11581	14 AEA61110	Aea61110 Human CDA
43	120	33.4	110000	12 ADN06353_0	Adn06353 Human FLA
44	120	33.4	110000	13 ADS94372_0	Ads94372 Human S-1
45	120	33.4	165199	6 ABR83460	Abk83460 Human CDN

ALIGNMENTS

RESULT 1

AAL41898
ID AAL41898 standard; DNA; 4282 BP.

XX AAL41898;

XX 03-MAY-2002 (first entry)

XX Human GA733-2 gene (encoding human epithelial glycoprotein-2) promoter.

XX Human; GA733-2 gene promoter; gene; epithelial glycoprotein-2; EGP-2;
XX pan-carcinoma associated antigen; cancer; carcinoma selective expression;
XX treatment evaluation; non-squamous epithelium disease; carcinogenesis;
XX transgenic animal; ds; gene therapy.

XX Homo sapiens.

XX EP1130106-A1.

XX 05-SEP-2001.

XX 01-MAR-2000; 2000EP-00200728.

XX 01-MAR-2000; 2000EP-00200728.

XX (UYGR-) RIJKSUNIV GRONINGEN.

XX De Leij LFMH, McLaughlin PMJ, Rutgers MHJ, Harmsen MC;

XX Van Der Molen H, Terpstra P, Dokter WHA;

XX WPI; 2001-591523/67.

XX Novel isolated and/or recombinant nucleic acid having tissue specific
XX promoter derived from epithelial glycoprotein 2 gene, that allows
XX expression of desired nucleic acid in cancer cell, specifically carcinoma
XX cell.

XX Claim 3; Fig 1; 21pp; English.

XX The invention comprises the promoter sequence of the human GA733-2 gene.
XX The GA733-2 gene encodes human epithelial glycoprotein-2 (EGP-2), which
XX is a pan-carcinoma associated antigen. The GA733-2 gene promoter allows

Db 81240 CGAAGTCTCTGACCTCAGGTGATCCGCCCGCTCGGCTCCCAAGTGTGGGATTACAGG 81181
QY 122 CCGTGGCCACCGGCTCAGCTGGGACACCTTTCTTACATCTTCAAGT 171
Db 81180 CCGTGGCCACCGGCTCAGCTGGGACACCTTTCTTACATCTTCAAGT 81131

RESULT 4
ADS94372_3/c
Continuation (4 of 4) of ADS94372 from base 300001 (Human 5-lipoxygenase activating prob
WP Sequence split into 4 fragments LOCUS ADS94372 Accession ADS94372
WP Fragment Name Begin End
WP ADS94372_0 1 110000
WP ADS94372_1 100001 210000
WP ADS94372_2 200001 310000
WP ADS94372_3 300001 398800

Query Match 35.3%; Score 126.8; DB 13; Length 98800;
Best Local Similarity 84.1%; Pred. No. 2.9e-18;
Matches 143; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

QY 2 CCGGCTAATTTGTATCTTTTAGTAGAGAGGGGTTCTCCATGTTGGTCAGGCTGGTCT 61
Db 81300 CTGGCTGATTTCTATTTTATTTAGTAGAGATGGGGTTTCTCCATGTTGGTCAGGCTGGTCT 81241

QY 62 CGAAGTCTCAAACTCAGGTGATCCGCCCGCTCGGCTCCCAAGTGTGGGATTACAGG 121
Db 81240 CGAAGTCTCAGCTCAGGTGATCCGCCCGCTCGGCTCCCAAGTGTGGGATTACAGG 81181

QY 122 CCGTGGCCACCGGCTCAGCTGGGACACCTTTCTTACATCTTCAAGT 171
Db 81180 CCGTGGCCACCGGCTCAGCTGGGACACCTTTCTTACATCTTCAAGT 81131

RESULT 5
ABZ70301
ID ABZ70301 standard; cDNA; 1744 BP.
XX AC ABZ70301;
XX DT 25-APR-2003 (first entry)
XX DE Human tyrosinase 10.01 coding sequence.
XX KW Human; tyrosinase 10.01; enzyme; cancer; HIV infection; cytostatic;
XX KW anti-HIV; gene; ss.
XX OS Homo sapiens.
XX FH Key Location/Qualifiers
XX CDS 129..404
XX FT /*tag= a
XX FT /product= "Tyrosinase 10.01"
XX FT
XX PN CN136662-A.
XX XX
XX PD 14-AUG-2002.
XX XX
XX PF 05-JAN-2001; 2001CN-00105035.
XX XX
XX PR 05-JAN-2001; 2001CN-00105035.
XX XX
XX PA (BODE-) BODE GENE DEV CO LTD SHANGHAI.
XX XX
XX PI Mao Y, Xie Y;
XX XX
XX DR WPI; 2002-751776/82.
XX DR P-PSDB; ABP59183.
XX XX
XX PT Polypeptide-human tyrosinase 10.01 and polynucleotide for coding it.
XX XX
XX PS Claim 6; Page 24-25 (Disclosure); 32pp; Chinese.
XX XX

CC The present sequence is the coding sequence for human tyrosinase 10.01.
CC The protein can be used for treating diseases such as cancer and HIV
CC infection
XX SQ Sequence 1744 BP; 354 A; 478 C; 476 G; 436 T; 0 U; 0 Other;
Query Match 34.7%; Score 124.4; DB 6; Length 1744;
Best Local Similarity 86.7%; Pred. No. 4.7e-18;
Matches 137; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1 CCCGCTAATTTGTATCTTTTAGTAGAGCGGCTTCTCCATGTTGGTCAGGCTGGTC 60
Db 1384 CCCGCTAATTTGTATCTTTTAGTAGAGCGGCTTCTCCATGTTGGTCAGGCTGGTC 1443

QY 61 TCGAACTTCAAACTCAGGTGATCCGCCCGCTCGGCTCCCAAGTGTCTAGGATTACAG 120
Db 1444 TCGAACTTCTGACCTCATGTGATCCGCCCGCTCGGCTCCCAAGTGTCTAGGATTACAG 1503

QY 121 GCGTGGCCACCGGCTCAGCTGGGACACCTTTTCT 158
Db 1504 GCGTGGCTACCGGCCCGGCTCGGTAGAGCCTTTT 1541

RESULT 6
AAK68705/c
ID AAK68705 standard; DNA; 344 BP.
XX AC AAK68705;
XX DT 06-NOV-2001 (first entry)
XX DE Human immune/haematopoietic antigen genomic sequence SEQ ID NO:23517.
XX KW Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;
XX KW cytostatic; gene therapy; vaccine; metastasis; ds.
XX OS Homo sapiens.
XX PN WO200157182-A2.
XX PD 09-AUG-2001.
XX PF 17-JAN-2001; 2001WO-US001354.
XX PR 31-JAN-2000; 2000US-0179065P.
XX PR 04-FEB-2000; 2000US-0180628P.
XX PR 24-FEB-2000; 2000US-0184664P.
XX PR 02-MAR-2000; 2000US-0186350P.
XX PR 16-MAR-2000; 2000US-0189874P.
XX PR 17-MAR-2000; 2000US-0190076P.
XX PR 18-APR-2000; 2000US-0198123P.
XX PR 19-MAY-2000; 2000US-0205515P.
XX PR 07-JUN-2000; 2000US-0209467P.
XX PR 28-JUN-2000; 2000US-0214886P.
XX PR 30-JUN-2000; 2000US-0215135P.
XX PR 07-JUL-2000; 2000US-0216647P.
XX PR 07-JUL-2000; 2000US-0216880P.
XX PR 11-JUL-2000; 2000US-0217487P.
XX PR 11-JUL-2000; 2000US-0217496P.
XX PR 14-JUL-2000; 2000US-0218290P.
XX PR 26-JUL-2000; 2000US-0220963P.
XX PR 26-JUL-2000; 2000US-0220964P.
XX PR 14-AUG-2000; 2000US-0224518P.
XX PR 14-AUG-2000; 2000US-0224519P.
XX PR 14-AUG-2000; 2000US-0225213P.
XX PR 14-AUG-2000; 2000US-0225214P.
XX PR 14-AUG-2000; 2000US-0225266P.
XX PR 14-AUG-2000; 2000US-0225267P.
XX PR 14-AUG-2000; 2000US-0225268P.
XX PR 14-AUG-2000; 2000US-0225270P.
XX PR 14-AUG-2000; 2000US-0225447P.
XX PR 14-AUG-2000; 2000US-0225757P.
XX PR 14-AUG-2000; 2000US-0225758P.


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QY 61 TCGAACTTCAAACTCAGGTGATCGCCCGCTCGGCTCCCAAGTCTAGGATTACAG 120
Db 142 TCGAACTCCAGACTTCAGGTGATCGCCCGCTCAGTCTCCCAAGTCTGGGATTACAG 83
QY 121 GCGTGAGCCACCGGCTCAGCTGCGGACACCTTTTCTTACATCTTC 167
Db 82 GCGTGAGCCACTGCGCCGGCTGATAAACTTTTAAACAGGCTC 36

RESULT 7
ABV13839
ID ABV13839 standard; cDNA; 438 BP.
XX AC ABV13839;
XX DT 13-SEP-2002 (first entry)
XX DE Human prostate expression marker cDNA 13830.
XX KW Human; prostate cancer; cytostatic; carcinogen; pharmacodynamic marker;
XX KW pharmacogenomic marker; gene; ss.
XX OS Homo sapiens.
XX PN WO200160860-A2.
XX PD 23-AUG-2001.
XX PF 20-FEB-2001; 2001WO-US005171.
XX PR 17-FEB-2000; 2000US-0183319P.
XX PR 16-MAR-2000; 2000US-0189862P.
XX PR 25-MAY-2000; 2000US-0207454P.
XX PR 09-JUN-2000; 2000US-0211314P.
XX PR 18-JUL-2000; 2000US-0219007P.
XX PR 13-DEC-2000; 2000US-0255281P.
XX (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
XX Schlegel R, Endege WO, Monahan JE;
XX WPI; 2001-662795/76.
XX Novel isolated nucleic acid molecule associated with cancerous state of
XX prostate cells and correlating with presence of prostate cancer, useful
XX for detecting presence of prostate cancer, stage of prostate cancer.
XX Claim 1; Page 2303; 11750pp; English.
XX The invention relates to an isolated nucleic acid molecule (I) comprising
XX a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of the
XX specification or its complement. (I) is useful for: (a) assessing whether
XX a patient is afflicted with prostate cancer; (b) monitoring the
XX progression of prostate cancer in a patient; (c) assessing the efficacy
XX of a test compound to inhibit prostate cancer in a patient; (d) assessing
XX the efficacy of a therapy for inhibiting prostate cancer in a patient;
XX (e) selecting a composition for inhibiting prostate cancer in a patient;
XX (f) assessing the prostate cell carcinogenic potential of a compound; (g)
XX determining whether prostate cancer has metastasized in a patient; (h)
XX assessing the aggressiveness or indolence of prostate cancer in a patient
XX ; (I) is also useful as a pharmacodynamic or pharmacogenomic marker
XX
XX Sequence 438 BP; 110 A; 102 C; 83 G; 143 T; 0 U; 0 Other;
XX
XX Query Match 34.5%; Score 123.8; DB 5; Length 438;
XX Best Local Similarity 68.8%; Pred. No. 5e-18;
XX Matches 170; Conservative 0; Mismatches 77; Indels 0; Gaps 0;
XX
QY 2 CCGGCTAAATTTTCTATCTTTAGTAGAGCGCGGTTCTCCATGTTGGTCAGGCTGGTCT 61
Db 109 CCGGCTAAATTTTGTATTTTAGTAGAGATGGGGTTTCACCATGTTGGCAGGCTGATCT 168

QY 62 CGAACTTCAAACTCAGGTGATCGCCCGCTCGGCTCCCAAGTCTAGGATTACAG 121
Db 169 CAAACTCTGACCTCATGTGTGTCACCCACCTTGGCTCCCAAGTCTGGGATTACAG 228
QY 122 CGTGAGCCACCGGCTCAGCTGCGGACACCTTTTCTTACATCTTCAAGTCTAGAATG 181
Db 229 CGTGAGCCACCGGCTCAGCTCAGCAATTTTTTAAACTGACACCTATTACTGATA 288
QY 182 CTTATGAAACGAAAAAGAAATTAAGAGATTAATTAAGAAACACCTCAATTTTCTTCC 241
Db 289 AAATTCCTGTTTAAATAATTCCTATTACTTTTAAATAAAGATTAATTTTCTT 348
QY 242 CAAGAGA 248
Db 349 AATACA 355

RESULT 8
ADL08116
ID ADL08116 standard; DNA; 160361 BP.
XX AC ADL08116;
XX DT 20-MAY-2004 (first entry)
XX DE Human gene associated with low HDL-C FABP-3.
XX KW Human; ds; SNP; single nucleotide polymorphism;
XX KW high density lipoprotein-C; HDL-C; vascular disease; metabolic disease;
XX KW coronary artery disease; gene.
XX OS Homo sapiens.
XX FH Key Location/Qualifiers
XX FT variation replace(120178,C)
XX FT /*tag= a
XX FT /standard_names= "single nucleotide polymorphism"
XX PN US2004043389-A1.
XX PD 04-MAR-2004.
XX PF 04-SEP-2002; 2002US-00235192.
XX PR 04-SEP-2002; 2002US-00235192.
XX PA (VITI-) VITIVITY INC.
XX PI McCarthy J;
XX WPI; 2004-214170/20.
XX Determining whether a subject has, or is at risk of developing, an
XX abnormally low high density lipoprotein-C (HDL-C) level comprises
XX detecting an allelic variant of a polymorphic region from any of a set of
XX 27 genes.
XX Disclosure; SEQ ID NO 35; 37pp; English.
XX The invention relates to determining whether a subject has, or is at risk
XX of developing, an abnormally low high density lipoprotein-C (HDL-C) level
XX comprises determining whether the subject has an allelic variant of a
XX polymorphic region from any of 27 genes (alleles listed in Table 5 of the
XX specification). Also included are determining whether a male subject has,
XX or is at risk of developing, an abnormally low HDL-C level, comprising
XX determining whether the male subject has an allelic variant of a
XX polymorphic region listed in Table 5 which is associated with abnormally
XX low HDL-C levels in males, and determining whether a female subject has,
XX or is at risk of developing, an abnormally low HDL-C level, comprising
XX determining whether the female subject has an allelic variant of a
XX polymorphic region listed in Table 5 which is associated with abnormally
XX low HDL-C levels in females. The allelic variant in determining whether a
XX subject has, or is at risk of developing, an abnormally low HDL-C level
```

```
CC is APOA 1 CC, CD14 1 CT, COL5A2 1 GG, EDNRB 1 AG or AA, FABP3 1 CT, GBE1
CC 1 AG or GG, LIPC 5 AA, MTHFR 1 CC, VWF 2 GG, or their complements. The
CC allelic variant in determining whether a male subject has, or is at risk
CC of developing, an abnormally low HDL-C level, LRPI 3 CC or CT, PAI2 4 GG,
CC or PPARG 1 CG, or their complements. The allelic variants are also COL5A2
CC 1 GG, CD14 1 CT or CC, and FABP3 1 CT, in combination, or their
CC complements. The methods are useful for diagnosing (a predisposition to)
CC abnormally low levels of low high density lipoprotein-C (HDL-C) in a
CC subject. The methods are useful in diagnosing (a predisposition to) or
CC prognosticating diseases and disorders associated with abnormal lipid
CC levels such as vascular and metabolic diseases, e.g., coronary artery
CC disease. The present sequence is a human gene containing a SNP (single
CC nucleotide polymorphism associated with low high density lipoprotein-C
CC (HDL-C) levels.
XX
SQ Sequence 160361 BP; 43435 A; 35277 C; 35459 G; 45990 T; 0 U; 200 Other;

Query Match 34.1%; Score 122.4; DB 12; Length 160361;
Best Local Similarity 80.0%; Pred. No. 3e-17;
Matches 144; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

Qy 1 CCCGCTAAATTTTGATCTTTTAGTAGAGACGGCGTTCTCCATGTTGGTCAGGCTGGTC 60
Db 157896 CCCGCTAAATTTTGATCTTTTAGTAGAGTGGGGTTCTCAATGTTGGTCAGGCTGGTC 157955

Qy 61 TCGAACTTCAAACCTCAGGTGATCGCCCGCTCGGCTCCCAAGTGCTAGGATTACAG 120
Db 157956 TCAAACCTCCGACCTCAGGTGATCGCCCGCTTGGCCCTCCCAAGTGTGGGATTACAG 158015

Qy 121 GCGTAGGACCGCGCTCAGCTGGGACACCTTTCTTACATCTTCAAGTGCTAGGAAT 180
Db 158016 GCGGAGCCACCGCGCCGCGGTGAGCCAGACCACTTCTGTCTTTAAAGGCTCCTGCTAAT 158075

RESULT 9
AAK78202/c
ID AAK78202 standard; DNA; 22651 BP.
XX
AC AAK78202;
XX
DT 07-NOV-2001 (first entry)
XX
DE Human immune/haematopoietic antigen genomic sequence SEQ ID NO:33014.
XX
KW Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;
XX cytostatic; gene therapy; vaccine; metastasis; ds.
XX
OS Homo sapiens.
XX
PN WO200157182-A2.
XX
PD 09-AUG-2001.
XX
PF 17-JAN-2001; 2001WO-US001354.
XX
PR 31-JAN-2000; 2000US-0179065P.
PR 04-FEB-2000; 2000US-0180628P.
PR 24-FEB-2000; 2000US-0184664P.
PR 02-MAR-2000; 2000US-0186350P.
PR 16-MAR-2000; 2000US-0189874P.
PR 17-MAR-2000; 2000US-0190076P.
PR 18-APR-2000; 2000US-0198123P.
PR 19-MAY-2000; 2000US-0205515P.
PR 07-JUN-2000; 2000US-0209467P.
PR 28-JUN-2000; 2000US-0214886P.
PR 30-JUN-2000; 2000US-0215135P.
PR 07-JUL-2000; 2000US-0216647P.
PR 07-JUL-2000; 2000US-0216880P.
PR 11-JUL-2000; 2000US-0217487P.
PR 11-JUL-2000; 2000US-0217496P.
PR 14-JUL-2000; 2000US-0218290P.
PR 26-JUL-2000; 2000US-0220963P.
PR 26-JUL-2000; 2000US-0220964P.
PR
PR 14-AUG-2000; 2000US-0224518P.
PR 14-AUG-2000; 2000US-0224519P.
PR 14-AUG-2000; 2000US-0225213P.
PR 14-AUG-2000; 2000US-0225214P.
PR 14-AUG-2000; 2000US-0225266P.
PR 14-AUG-2000; 2000US-0225267P.
PR 14-AUG-2000; 2000US-0225268P.
PR 14-AUG-2000; 2000US-0225270P.
PR 14-AUG-2000; 2000US-0225447P.
PR 14-AUG-2000; 2000US-0225757P.
PR 14-AUG-2000; 2000US-0225758P.
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PR 18-AUG-2000; 2000US-0226279P.
PR 22-AUG-2000; 2000US-0226681P.
PR 22-AUG-2000; 2000US-0226868P.
PR 22-AUG-2000; 2000US-0227182P.
PR 23-AUG-2000; 2000US-0227009P.
PR 30-AUG-2000; 2000US-0228924P.
PR 01-SEP-2000; 2000US-0229287P.
PR 01-SEP-2000; 2000US-0229343P.
PR 01-SEP-2000; 2000US-0229344P.
PR 01-SEP-2000; 2000US-0229345P.
PR 05-SEP-2000; 2000US-0229509P.
PR 05-SEP-2000; 2000US-0229513P.
PR 06-SEP-2000; 2000US-0230437P.
PR 06-SEP-2000; 2000US-0230438P.
PR 08-SEP-2000; 2000US-0231242P.
PR 08-SEP-2000; 2000US-0231243P.
PR 08-SEP-2000; 2000US-0231244P.
PR 08-SEP-2000; 2000US-0231413P.
PR 08-SEP-2000; 2000US-0231414P.
PR 08-SEP-2000; 2000US-0232080P.
PR 08-SEP-2000; 2000US-0232081P.
PR 12-SEP-2000; 2000US-0231968P.
PR 14-SEP-2000; 2000US-0232397P.
PR 14-SEP-2000; 2000US-0232398P.
PR 14-SEP-2000; 2000US-0232399P.
PR 14-SEP-2000; 2000US-0232400P.
PR 14-SEP-2000; 2000US-0232401P.
PR 14-SEP-2000; 2000US-0233063P.
PR 14-SEP-2000; 2000US-0233064P.
PR 14-SEP-2000; 2000US-0233065P.
PR 21-SEP-2000; 2000US-0234223P.
PR 21-SEP-2000; 2000US-0234274P.
PR 25-SEP-2000; 2000US-0234997P.
PR 25-SEP-2000; 2000US-0234998P.
PR 26-SEP-2000; 2000US-0235484P.
PR 27-SEP-2000; 2000US-0235834P.
PR 27-SEP-2000; 2000US-0235836P.
PR 29-SEP-2000; 2000US-0236327P.
PR 29-SEP-2000; 2000US-0236367P.
PR 29-SEP-2000; 2000US-0236368P.
PR 29-SEP-2000; 2000US-0236369P.
PR 29-SEP-2000; 2000US-0236370P.
PR 02-OCT-2000; 2000US-0236802P.
PR 02-OCT-2000; 2000US-0237037P.
PR 02-OCT-2000; 2000US-0237038P.
PR 02-OCT-2000; 2000US-0237039P.
PR 02-OCT-2000; 2000US-0237040P.
PR 13-OCT-2000; 2000US-0239935P.
PR 13-OCT-2000; 2000US-0239937P.
PR 20-OCT-2000; 2000US-0240960P.
PR 20-OCT-2000; 2000US-0241221P.
PR 20-OCT-2000; 2000US-0241785P.
PR 20-OCT-2000; 2000US-0241786P.
PR 20-OCT-2000; 2000US-0241787P.
PR 20-OCT-2000; 2000US-0241808P.
PR 20-OCT-2000; 2000US-0241809P.
PR 20-OCT-2000; 2000US-0241826P.
PR 01-NOV-2000; 2000US-0244617P.
PR 08-NOV-2000; 2000US-0246474P.
PR 08-NOV-2000; 2000US-0246475P.
PR 08-NOV-2000; 2000US-0246476P.
```


PR 08-NOV-2000; 2000US-0246477P.
PR 08-NOV-2000; 2000US-0246478P.
PR 08-NOV-2000; 2000US-0246523P.
PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
PR 08-NOV-2000; 2000US-0246532P.
PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
PR 08-NOV-2000; 2000US-0246613P.
PR 17-NOV-2000; 2000US-0249207P.
PR 17-NOV-2000; 2000US-0249208P.
PR 17-NOV-2000; 2000US-0249209P.
PR 17-NOV-2000; 2000US-0249210P.
PR 17-NOV-2000; 2000US-0249211P.
PR 17-NOV-2000; 2000US-0249217P.
PR 17-NOV-2000; 2000US-0249218P.
PR 17-NOV-2000; 2000US-0249244P.
PR 17-NOV-2000; 2000US-0249245P.
PR 17-NOV-2000; 2000US-0249264P.
PR 17-NOV-2000; 2000US-0249265P.
PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR 17-NOV-2000; 2000US-0249300P.
PR 01-DEC-2000; 2000US-0250160P.
PR 01-DEC-2000; 2000US-0250391P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251988P.
PR 05-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
PR 08-DEC-2000; 2000US-0251856P.
PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251869P.
PR 08-DEC-2000; 2000US-0251989P.
PR 08-DEC-2000; 2000US-0251990P.
PR 11-DEC-2000; 2000US-0254097P.
PR 05-JAN-2001; 2001US-0259678P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Rosen CA, Barash SC, Ruben SM;
XX
XX WPI; 2001-483426/52.
XX
XX Nucleic acids encoding human immune/hematopoietic antigen polypeptides,
XX useful for preventing, diagnosing and/or treating cancers and metastasis.
XX
XX Disclosure; SEQ ID NO 33014; 307lpp + Sequence Listing; English.
XX
XX AAK54951 to AAK64702 encode the human immune/haematopoietic antigen (I)
XX amino acid sequences given in AAM82170 to AAM91921. (I) have cytostatic
XX activity, and can be used in gene therapy and vaccine production. (I)
XX proteins and polynucleotides may be used in the prevention, diagnosis and
XX treatment of diseases associated with inappropriate (I) expression. For
XX example, they may be used to treat disorders associated with decreased
XX expression by rectifying mutations or deletions in a patient's genome
XX that affect the activity of (I) by expressing inactive proteins or to
XX supplement the patients own production of (I). Additionally, (I)
XX polynucleotides may be used to produce the secreted (I), by inserting the
XX nucleic acids into a host cell and culturing the cell to express the
XX protein. (I) proteins and polynucleotides may be used to prevent,
XX diagnose and treat immune/haematopoietic-related diseases, especially
XX cancers and cancer metastases of haematopoietic-derived cells. AAK64703
XX to AAK87694 represent human immune/haematopoietic antigen genomic
XX sequences from the present invention. AAK34942 to AAK54950 and AAM82169

CC represent sequences used in the exemplification of the present invention
XX
SQ Sequence 22651 BP; 5939 A; 5107 C; 5360 G; 6245 T; 0 U; 0 Other;
Query Match 34.0%; Score 122.2; DB 4; Length 22651;
Best Local Similarity 90.9%; Pred.No. 2.3e-17;
Matches 130; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 1 CCGGCTAATTTTGTATCTTTTAGTAGAGACGGCTTCCTCCATGTTGTCAGGCTGGTC 60
Db 4383 CCGGCTAATTTTGTATTTTGTAGTAGAGATGGGTTTCTCCATGTTGTCAGGCTGGTC 4324
QY 61 TCGAACTTCAAACCTCAGGTGATCCGCCGCTCCGCCCTCCCAAGTGTAGGATTACAG 120
Db 4323 TCGAACTCCCAATCTCAGGTGATCCGCCGCTCAGTCTCCCAAGTGTGGAATTACAG 4264
QY 121 GCGTAGCCACCGGCTCAGCCT 143
Db 4263 GCGTAGCCACCGCAGCCT 4241
RESULT 10
ADZ70075/c
ID ADZ70075 standard; DNA; 313001 BP.
XX
AC ADZ70075;
XX
DT 14-JUL-2005 (first entry)
XX
DE Human insulin-like growth factor 1 receptor (IGF-IR) gene - SEQ ID 1.
XX
KW SNP detection; diagnosis; cardiac hypertrophy; cardiant;
KW insulin-like growth factor 1 receptor; gene; ds.
XX
OS Homo sapiens.
XX
FH Key
FT 5'UTR 3509..3540
FT /tag= a
FT 3541..311401
FT /tag= c
FT /product= "Human IGF-IR protein"
FT exon 3541..3634
FT /tag= b
FT /number= 1
FT intron 3635..61520
FT /tag= d
FT /number= 1
FT exon 61521..62066
FT /tag= e
FT /number= 2
FT intron 62067..245283
FT /tag= f
FT /number= 2
FT exon 245284..245596
FT /tag= g
FT /number= 3
FT intron 245597..250715
FT /tag= h
FT /number= 3
FT exon 250716..250864
FT /tag= i
FT /number= 4
FT intron 250865..253435
FT /tag= j
FT /number= 4
FT exon 253436..253580
FT /tag= k
FT /number= 5
FT intron 253581..262643
FT /tag= l
FT /number= 5
FT exon 262644..262858

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FT      /*tag= n
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FT      /*tag= o
FT      /number= 7
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FT      265401. .267002
FT      /*tag= p
FT      /number= 7
FT      exon
FT      267003. .267241
FT      /*tag= q
FT      /number= 8
FT      intron
FT      267242. .269922
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FT      /*tag= s
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FT      /*tag= t
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FT      /*tag= u
FT      /number= 10
FT      intron
FT      270836. .276106
FT      /*tag= v
FT      /number= 10
FT      exon
FT      276107. .276390
FT      /*tag= w
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FT      /*tag= y
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FT      /*tag= ad
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FT      /number= 15
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FT      /*tag= af
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FT      /number= 16
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FT      289013. .289274
FT      /*tag= ah
FT      /number= 16
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FT      289275. .289385
FT      /*tag= ai
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FT      /*tag= aj
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FT      intron
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FT      /*tag= aq
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FT      3'UTR
FT      311402. .312241
FT      /*tag= ar
FT      JP2005110607-A.
FT      PN
FT      XX
FT      28-APR-2005.
FT      PD
FT      XX
FT      09-OCT-2003; 2003JP-00350960.
FT      PF
FT      XX
FT      09-OCT-2003; 2003JP-00350960.
FT      PR
FT      XX
FT      (KOKU-) KOKURITSU JUNKANKI BYO CENT SOCHO.
FT      PA
FT      (DOKU-) DOKURITSU GYOSEI HOJIN IYAKUJIN IRYO KIK.
FT      XX
FT      WPI; 2005-326229/34.
FT      DR
FT      P-PSDB; ADZ70089.
FT      XX
FT      Testing hypertensive cardiac hypertrophy factor, by determining genotype
FT      of polymorphism in insulin-like growth factor 1 receptor (IGF-IR) gene of
FT      subject and estimating based on determined genotype.
FT      XX
FT      Disclosure; SEQ ID NO 1; 19pp; Japanese.
FT      PS
FT      XX
FT      The invention comprises a method of testing hypertensive hypertrophy
FT      factor. The method involves determining the genotype of a polymorphism in
FT      the insulin-like growth factor 1 receptor (IGF-IR) gene of a subject, and
FT      estimating the hypertensive cardiac hypertrophy factor based on the
FT      determined genotype. The method of the invention is useful for testing
FT      hypertensive cardiac hypertrophy factor, and thereby determining the risk
FT      of developing cardiac hypertrophy. The present DNA sequence represents
FT      the human IGF-IR gene.
FT      XX
FT      SQ
FT      Sequence 313001 BP; 79741 A; 67002 C; 72630 G; 93626 T; 0 U; 2 Other;
FT      Query Match 34.0%; Score 122; DB 14; Length 313001;
FT      Best Local Similarity 76.8%; Pred. No. 4.2e-17;
FT      Matches 149; Conservative 0; Mismatches 45; Indels 0; Gaps 0;
FT      QY 2 CCGGCTAATTTGTATCTTTTAGTAGAGACGGCGTTCCTCCATGTTGGTCAGGCTGGTCT 61
FT      Db 165118 CTGGTTAATTTTGTATTTTAGTAGAGATGGGTTTCTCCATGTTGGTCAGGCTGGT 165059
FT      QY 62 CGAACTTCAACCTCAGGTGATCCGCCCGCTCCGAGTCCCAAGTGTAGATTACAGG 121
FT      Db 165058 CGAACTCTCTGACCTCAGGTGATCCGCCCGCTCAGCCTCTCAAAGTGTGGGATTACAGG 164999
FT      QY 122 CGTGAGCCACCGCGCTCAGCCTGGGAACACCTTTCTTACATCTTCAAGTGTAGAAATG 181
FT      Db 164998 CGTGAGCCACCGCGCTCAGCCTGGGAACAGAAATTTTCTAATCTTCTAGGTTGCTACGAC 164939
FT      QY 182 CTTATGAAACGAA 195
FT      Db 164938 AATATGAAGCAAA 164925
```

RESULT 11

ADS36450/c
ID ADS36450 standard; DNA; 321019 BP.XX AC
XX ADS36450;

DT 16-DEC-2004 (first entry)

XX DE Human autoimmune disease-related genomic DNA sequence - SEQ ID 1664.

XX single nucleotide polymorphism detection; SNP detection;
KW rheumatoid arthritis; type 1 diabetes; multiple sclerosis;
KW systemic lupus erythematosus; inflammatory bowel disease; psoriasis;
KW thyroiditis; celiac disease; pernicious anaemia; asthma; vitiligo;
KW glomerulonephritis; Grave's disease; myocarditis; Sjogren's disease;
KW primary systemic vasculitis; ds.

XX OS Homo sapiens.

XX XX WO2004083403-A2.

XX PN 30-SEP-2004.

XX XX 18-MAR-2004; 2004WO-US008461.

XX XX 19-MAR-2003; 2003US-0455444P.

XX PR 25-APR-2003; 2003US-0465241P.

XX XX (APPL-) APPLERA CORP.

XX PI Cargill M, Begovich AB, Alexander HC;

XX XX WPI; 2004-728480/71.

XX PT New isolated nucleic acid molecule comprises at least 8 contiguous
PT nucleotides where one of the nucleotides is a single nucleotide
PT polymorphism (SNP), useful for diagnosing or treating autoimmune
PT diseases, e.g. rheumatoid arthritis.

XX PS Claim 16; SEQ ID NO 1664; 123pp; English.

XX The invention comprises amino acid and coding sequences containing
CC genetic polymorphisms associated with an altered risk of developing an
CC autoimmune disease (e.g. rheumatoid arthritis). The invention further
CC comprises a method of identifying an individual that has an altered risk
CC of developing an autoimmune disease, comprising detecting a single
CC nucleotide polymorphism (SNP) in a nucleic acid of the invention. The DNA
CC and protein sequences of the invention are useful for diagnosing and
CC treating autoimmune diseases, such as: rheumatoid arthritis, type 1
CC diabetes, multiple sclerosis, systemic lupus erythematosus, inflammatory
CC bowel diseases, psoriasis, thyroiditis, celiac disease, pernicious
CC anaemia, asthma, vitiligo, glomerulonephritis, Grave's disease,
CC myocarditis, Sjogren's disease, or primary systemic vasculitis. The
CC present nucleic acid represents a human autoimmune disease-related
CC genomic DNA sequence of the invention. NOTE: The present sequence is not
CC shown in the specification, but has been retrieved from the WIPO website.

XX SQ Sequence 321019 BP; 81692 A; 68565 C; 74179 G; 95936 T; 0 U; 647 Other;

Query Match 34.08; Score 122; DB 13; Length 321019;
Best Local Similarity 76.8; Pred. No. 4.2e-17;
Matches 149; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 2 CCGCTAAATTTTGTATCTTTTAGTAGACGGCGTTCTTCATGTTTGGTCAGGCTGTCT 61

Db 167635 CTGTTAAATTTTGTATCTTTTAGTAGAGATGGGGTTTCTCAATGTTGGTCAGGCTGTCT 167576

QY 62 CGAACTTCAAACTTCAGGTGATCGCGCTCGCGCTCCCAAGTCTAGGATTACAG 121

Db 167575 CGAACTTCAAACTTCAGGTGATCGCGCTCGCGCTCCCAAGTCTAGGATTACAG 167516

QY 122 CGTGAGCCACGGCGCTCAGCTGGGAACACCTTTTCTTACATCTTCAAGTGTAGAAATG 181.

Db 167515 CGTGAGCCACCGCTCCAGCCAGAGAAAGAAATTTTCTAATCTAGGTTGTCTACAGAC 167456
QY 182 CTTATGAAAGCAAA 195
Db 167455 AATATGAAGCAAA 167442

RESULT 12

ABD32707/c

ID ABD32707 standard; DNA; 329019 BP.

XX AC ABD32707;

XX DT 18-NOV-2004 (first entry)

XX DE Human cancer-associated genomic DNA HD14-043.

XX KW Human; ds; cancer-associated protein; gene; cytostatic; cancer;

XX KW Leukaemia; lymphoma; CAP.

XX OS Homo sapiens.

XX XX WO2004074320-A2.

XX XX 02-SEP-2004.

XX XX 17-FEB-2004; 2004WO-US004730.

XX XX 14-FEB-2003; 2003US-00367094.

XX PR 14-MAR-2003; 2003US-00388838.

XX PR 15-APR-2003; 2003US-00417375.

XX PR 13-JUN-2003; 2003US-00461862.

XX PR 15-SEP-2003; 2003US-00663431.

XX PR 15-DEC-2003; 2003US-00737318.

XX XX (SAGR-) SAGRES DISCOVERY INC.

XX PI Morris DW, Morris DW, Malandro MS;

XX XX WPI; 2004-652914/63.

XX PT New isolated cancer-associated polynucleotides and polypeptides useful
PT for diagnosing, preventing or treating cancers, especially lymphoma and
PT leukemia, or in screening for agents that modulate cancer.

XX PS claim 16; seqid 277; 310pp; English.

XX The invention relates to an isolated nucleic acid comprising at least 10
CC contiguous nucleotides of any of the 233 polynucleotide sequences given
CC in the specification, or its complement. The nucleic acids encode cancer-
CC associated proteins. Also included are an expression vector comprising
CC the isolated nucleic acid cited above, a host cell comprising the above
CC recombinant nucleic acid or expression vector, a microarray for detecting
CC a cancer-associated (CA) nucleic acid comprising at least one probe
CC comprising at least 10 contiguous nucleotides of any of the above-
CC mentioned nucleotide sequences, an isolated polypeptide (encoded within
CC an open reading frame of a CA sequence selected from any of the 95
CC polynucleotide sequences as mentioned in the specification, or its
CC complement), an isolated antibody, (or its antigen binding fragment) that
CC binds to the above polypeptide, a hybridoma that produces the above
CC monoclonal antibody, a pharmaceutical composition comprising the above
CC antibody and a pharmaceutical excipient, a kit for detecting cancer
CC cells comprising the antibody cited above, methods for diagnosing cancer
CC or for detecting the presence or absence of cancer cells in an
CC individual, a method for inhibiting growth of cancer cells in an
CC individual, a method for delivering a therapeutic agent to cancer cells
CC in an individual, an electronic library comprising the above
CC polynucleotide or polypeptide (or their fragments), methods of screening
CC for anticancer activity or for a bioactive agent capable of modulating
CC the activity of a CA protein (CAP), methods for detecting cancer
CC associated with expression of a polypeptide in a test cell sample, a
CC method for treating cancers and a method for inhibiting the expression of

CC CA gene in a cell. The composition and methods are useful for detecting,
CC diagnosing, preventing and treating cancers, especially lymphoma and
CC leukaemia. These may also be used in screening for agents that modulate
CC cancer. The present sequence is a human CAP genomic sequence. Note: The
CC sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 329019 BP; 84190 A; 70461 C; 76072 G; 98276 T; 0 U; 20 Other;
Query Match 34.0%; Score 122; DB 13; Length 329019;
Best Local Similarity 76.8%; Pred. No. 4.2e-17;
Matches 149; Conservative 0; Mismatches 45; Indels 0; Gaps 0;
QY 2 CCGGCTAATTTTGTATCTTTAGTAGAGACGCGGTTCTCCATGTTGGTCAGGCTGGTCT 61
DB 171636 CTGGTTAATTTTGTATTTTATTTAGTAGAGATGGGTTCTCCATGTTGGTCAGGCTGGT 171577
QY 62 CGAACTTCAAACTCAGGTGATCCGCGCGCTCGGCTCCCAAGTGTAGGATTACAGG 121
DB 171576 CGAACTCTCTGACCTCAGGTGATCCGCGCGCTCAGCCTCTCAAAGTGTGGGATTACAGG 171517
QY 122 CCGTAGCCACCGGCTCAGCTGCGGACACCTTTCTTACATCTTCAAGTGTAGGAATG 181
DB 171516 CCGTAGCCACCGGCTCAGCTGCGGACAGAAATTTTCTACATCTTCAAGTGTGTCTACAGAC 171457
QY 182 CTTATGMAAACGAA 195
DB 171456 AATATGAAGCAAA 171443

RESULT 13
ABL83966/c
ID ABL83966 standard; cDNA; 381 BP.
XX
AC ABL83966;
XX
DT 17-MAY-2002 (first entry)
XX
DE Human ovarian cancer related cDNA clone SEQ ID NO:6944.
XX
KW Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss.
XX
OS Homo sapiens.
XX
PN WO200192581-A2.
XX
PD 06-DEC-2001.
XX
PF 29-MAY-2001; 2001WO-US017756.
XX
PR 26-MAY-2000; 2000US-0207484P.
XX
PA (CORI-) CORIXA CORP.
XX
PI Algate PA, Harlocker SL, Jones R;
XX
WPI; 2002-122075/16.
XX
Composition for therapy and diagnosis of ovarian cancer comprising
PT polypeptide of a ovarian tumor polypeptide, polynucleotide encoding
PT polypeptide, antibody specific to polypeptide or T cell expressing
PT polypeptide.
XX
PS Claim 1; SEQ ID NO 6944; 489pp; English.
XX
The present invention describes a composition (I) comprising: carriers
CC and immunostimulants; and a polypeptide (II) of a ovarian tumour
CC polypeptide encoded by a polynucleotide (III) having a cDNA sequence (S1)
CC from the 10912 nucleotide sequences as given in ABL77023 to ABL87934,
CC (III) encoding (II) having a sequence (S2), a T cell population of (II),
CC or antigen presenting cells that express (II); (I) has cytostatic
CC activity. An oligonucleotide (IV) that hybridises to (S1) can be used for

CC detecting ovarian cancer in a patient's biological sample preferably
CC serum or ovarian tissue. The method comprises contacting a biological
CC sample from a patient with (IV), detecting the amount of polynucleotide
CC hybridising to (IV) and comparing the amount to a predetermined cutoff
CC value and thereby detecting ovarian cancer in the patient, where the
CC amount of polynucleotide hybridising to (IV) is detected preferably by
CC polymerase chain reaction (PCR). (I) comprising (III) and/or (II) is
CC useful for stimulating and/or expanding T cells specific for an ovarian
CC tumour protein comprising contacting T cells with (III) or (II). (III) is
CC useful in design and preparation of ribozyme molecules for inhibiting
CC expression of the tumour polypeptides and proteins in tumour cells; and
CC to isolate a full length gene from a suitable library e.g., a tumour cDNA
CC library using well known techniques
XX
SQ Sequence 381 BP; 115 A; 83 C; 91 G; 92 T; 0 U; 0 Other;
Query Match 33.9%; Score 121.8; DB 6; Length 381;
Best Local Similarity 77.8%; Pred. No. 1.4e-17;
Matches 147; Conservative 0; Mismatches 42; Indels 0; Gaps 0;
QY 1 CCCGCTAATTTTGTATCTTTAGTAGAGACGCGGTTCTCCATGTTGGTCAGGCTGGTCT 60
DB 328 CCCAGCTAATTTTGTATCTTTAGTAGAGACGAGGTTTCGCCATGTTGCCAGGCTGGTCT 269
QY 61 TCGAACTTCAAACTCAGGTGATCCGCGCGCTCGGCTCCCAAGTGTAGGATTACAG 120
DB 268 TCGAACTCTGACCTCAGGTGATCCACCGCGCTCGGCTCCCAAGTGTGGGATTACAG 209
QY 121 GCGTAGCCACCGGCTCAGCTGCGGAAACACCTTTCTTACATCTTCAAGTGTCTAGAAAT 180
DB 208 GCGTAGCCACCGGCTGCGGCAAGATAGGTTTCTTCACTTGCATGATCAGTAGAAAT 149
QY 181 GCTTATGAA 189
DB 148 GGCATCAAA 140
RESULT 14
ACF91521/c
ID ACF91521 standard; DNA; 546 BP.
XX
AC ACF91521;
XX
DT 02-JUN-2005 (first entry)
XX
DE Human SIRS/sepsis diagnostic marker DNA fragment 10381.
XX
KW Systemic inflammatory response syndrome; SIRS; antibacterial;
KW immunosuppressive; antiinflammatory; diagnosis; sepsis; ds.
XX
OS Homo sapiens.
XX
PN WO2004087949-A2.
XX
PD 14-OCT-2004.
XX
PF 31-MAR-2004; 2004WO-EP003419.
XX
PR 02-APR-2003; 2003DE-01015031.
PR 08-AUG-2003; 2003DE-01036511.
PR 02-SEP-2003; 2003DE-01040395.
XX
PA (SIRS-) SIRS LAB GMBH.
XX
PI Russwurm S, Reinhart K, Saluz H, Straube E, Zipfel PF, Deigner H;
XX
WPI; 2004-748070/73.
XX
In vitro detection of systemic inflammatory response syndrome and related
PT conditions, for e.g. monitoring progression, comprises detecting abnormal
PT expression of disease-related genes.
XX
PS Disclosure; Page; 75pp; German.

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GenCore version 5.1.8
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 6, 2006, 19:34:56 ; Search time 2648 Seconds
(without alignments)
6343.113 Million cell updates/sec

Title: US-10-009-579a-5_COPY_3188_3546
Perfect score: 359
Sequence: 1 cccggctaatttgatctt.....tttttatagtgtcttgaa 359

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_est3:*
4: gb_hic:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_est7:*
9: gb_gss1:*
10: gb_gss2:*
11: gb_gss3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
C 1	124.4	34.7	1071	1	AL520459
C 2	124.4	34.7	1686	4	CR619941
C 3	124.4	34.7	1755	4	CR609780
C 4	123.8	34.5	2825	4	CR926093
C 5	123.4	34.4	206	1	AA678616
C 6	123	34.3	410	8	T96411
C 7	123	34.3	624	9	AQ419825
C 8	122.4	34.1	202	1	AA368329
C 9	121.8	33.9	350	7	CK823193
C 10	121.8	33.9	354	1	AW078821
C 11	121.8	33.9	355	1	AW511507
C 12	121.8	33.9	363	1	AW390284
C 13	121.8	33.9	364	6	CB068575
C 14	121.8	33.9	366	1	AI347665
C 15	121.8	33.9	376	1	AA644223
C 16	121.8	33.9	381	1	AA581498
C 17	121.8	33.9	393	1	AI472736
C 18	121.8	33.9	398	2	BF475466
C 19	121.8	33.9	411	3	BQ101225
C 20	121.8	33.9	421	1	AW440568
C 21	121.8	33.9	422	2	BE892611
C 22	121.8	33.9	438	1	AA678932

C 23	121.8	33.9	449	1	AW081610
C 24	121.8	33.9	460	2	BE301610
C 25	121.8	33.9	471	2	BE677244
C 26	121.8	33.9	476	8	N67313
C 27	121.8	33.9	493	5	BUI19809
C 28	121.8	33.9	493	7	CNA15426
C 29	121.8	33.9	498	3	BM995211
C 30	121.8	33.9	546	1	AI889995
C 31	121.8	33.9	606	5	BQ778458
C 32	121.8	33.9	619	5	BX505458
C 33	121.8	33.9	652	1	AA126814
C 34	121.8	33.9	656	6	CA420015
C 35	121.8	33.9	712	6	CD246087
C 36	121.8	33.9	721	6	CD364665
C 37	121.8	33.9	722	7	CN263776
C 38	121.8	33.9	779	6	CA442904
C 39	121.8	33.9	3426	4	CR857101
C 40	121.8	33.9	3517	4	CR860781
C 41	121.6	33.9	660	3	BM997829
C 42	121.2	33.8	462	9	AQ559212
C 43	121.2	33.8	511	2	BE464585
C 44	120.8	33.6	419	7	CN264773
C 45	120.8	33.6	468	2	BF931566

ALIGNMENTS

RESULT 1
AL520459/c
LOCUS AL520459 Homo sapiens NEUROBLASTOMA COT 10-NORMALIZED Homo sapiens
DEFINITION CDNA clone CS0DB006YA12 3-PRIME, mRNA sequence.
ACCESSION AL520459
VERSION AL520459.3 GI:45695996
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo.
REFERENCE 1 (bases 1 to 1071)
AUTHORS Li, W.B., Gruber, C., Jesse, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT On Feb 13, 2001 this sequence version replaced gi:31038800.

Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, Cp 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 6092.r
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?se=CS0DB006BA06NP1ac=6092.r.

FEATURES
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DB006YA12"
/cissue type="NEUROBLASTOMA COT 10-NORMALIZED"
/clone lib="Homo sapiens NEUROBLASTOMA COT 10-NORMALIZED"
/notes="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN
Query Match 34.7%; Score 124.4; DB 1; Length 1071;


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Best Local Similarity 86.7%; Pred. No. 8.9e-13;
Matches 137; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCTCCATGTTGGTCAGGCTGTC 60
Db 312 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTTCTCCATGTTGGTCAGGCTGTC 253

QY 61 TCGAACTTCAACCTCAGGTGATCCGCGGCTCGGCTCCCAAGTCTAGGATTACAG 120
Db 252 TCGAACTCTGACCTCATGTGATCCGCGGCTCGGCTTCCCAAGTCTGGGATTACAG 193

QY 121 GGGTGAGCCACCGCTCAGCTGAGCTGGGAACACCTTTTCT 158
Db 192 GGGTGAGCTACCGCGCCAGCTGGTAGAGCCTTTT 155

RESULT 2
CR619941
LOCUS
DEFINITION
full-length cDNA clone CS0DF033Y108 of Fetal brain of Homo sapiens
(human).
ACCESSION
CR619941.1 GI:50500748
VERSION
HTC; CNSLT_CDNA.
KEYWORDS
Homo sapiens (human)
ORGANISM
Homo sapiens
REFERENCE
1 (bases 1 to 1686)
AUTHORS
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
TITLE
Full-length cDNA libraries and normalization
JOURNAL
Unpublished
REMARK
Contact : Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ InVivoGen Corporation 1600
Paraday Avenue
2 (bases 1 to 1686)
Genoscope.
Direct Submission
Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
BP 191 91006 EVRY cedex - FRANCE (E-mail : segref@genoscope.cns.fr
- Web : www.genoscope.cns.fr)
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
FEATURES
Location/Qualifiers
1..1686
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DF033Y108"
/tissue_type="Fetal brain"
/plasmid="pCMVSPORT_6"
ORIGIN
Query Match 34.7%; Score 124.4; DB 4; Length 1686;
Best Local Similarity 86.7%; Pred. No. 8.2e-13;
Matches 137; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCTCCATGTTGGTCAGGCTGTC 60
Db 1404 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGGGTTTCTCCATGTTGGTCAGGCTGTC 1463

QY 61 TCGAACTTCAACCTCAGGTGATCCGCGGCTCGGCTCCCAAGTCTAGGATTACAG 120
Db 1464 TCGAACTCTGACCTCATGTGATCCGCGGCTCGGCTTCCCAAGTCTGGGATTACAG 1523

QY 121 GGGTGAGCCACCGCTCAGCTGAGCTGGGAACACCTTTTCT 158
Db 1524 GGGTGAGCTACCGCGCCAGCTGGCTAGAGCCTTTT 1561

Best Local Similarity 86.7%; Pred. No. 8.9e-13;
Matches 137; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCTCCATGTTGGTCAGGCTGTC 60
Db 312 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGGGTTTCTCCATGTTGGTCAGGCTGTC 253

QY 61 TCGAACTTCAACCTCAGGTGATCCGCGGCTCGGCTCCCAAGTCTAGGATTACAG 120
Db 252 TCGAACTCTGACCTCATGTGATCCGCGGCTCGGCTTCCCAAGTCTGGGATTACAG 193

QY 121 GGGTGAGCCACCGCTCAGCTGAGCTGGGAACACCTTTTCT 158
Db 192 GGGTGAGCTACCGCGCCAGCTGGTAGAGCCTTTT 155

RESULT 3
CR609780
LOCUS
DEFINITION
full-length cDNA clone CS0DB006YA12 of Neuroblastoma Cot
10-normalized of Homo sapiens (human).
ACCESSION
CR609780.1 GI:50490587
VERSION
HTC; CNSLT_CDNA.
KEYWORDS
Homo sapiens (human)
ORGANISM
Homo sapiens
REFERENCE
1 (bases 1 to 1755)
AUTHORS
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
TITLE
Full-length cDNA libraries and normalization
JOURNAL
Unpublished
REMARK
Contact : Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ InVivoGen Corporation 1600
Paraday Avenue
2 (bases 1 to 1755)
Genoscope.
Direct Submission
Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
BP 191 91006 EVRY cedex - FRANCE (E-mail : segref@genoscope.cns.fr
- Web : www.genoscope.cns.fr)
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
FEATURES
Location/Qualifiers
1..1755
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DB006YA12"
/tissue_type="Neuroblastoma Cot 10-normalized"
/plasmid="pCMVSPORT_6"
ORIGIN
Query Match 34.7%; Score 124.4; DB 4; Length 1755;
Best Local Similarity 86.7%; Pred. No. 8.2e-13;
Matches 137; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCTCCATGTTGGTCAGGCTGTC 60
Db 1444 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGGGTTTCTCCATGTTGGTCAGGCTGTC 1503

QY 61 TCGAACTTCAACCTCAGGTGATCCGCGGCTCGGCTCCCAAGTCTAGGATTACAG 120
Db 1504 TCGAACTCTGACCTCATGTGATCCGCGGCTCGGCTTCCCAAGTCTGGGATTACAG 1563

QY 121 GGGTGAGCCACCGCTCAGCTGAGCTGGGAACACCTTTTCT 158
Db 1564 GGGTGAGCTACCGCGCCAGCTGGTAGAGCCTTTT 1601

RESULT 4
CR926093/c
LOCUS
DEFINITION
Pongo pygmaeus mRNA; cDNA DKFZp45902210 (from clone DKFZp45902210).
ACCESSION
CR926093
VERSION
CR926093.1 GI:56403867
KEYWORDS
HTC.
SOURCE
Pongo pygmaeus (orangutan)
ORGANISM
Pongo pygmaeus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Pongo.
REFERENCE
1 (bases 1 to 2825)
AUTHORS
Wambutt,R., Heubner,D., Mewes,H.W., Weil,B., Amid,C., Osanger,A.,

```

CONSRMT TITLE JOURNAL	Fobo, G., Han, M. and Wiemann, S. The German cDNA Consortium Direct Submission Submitted (12-NOV-2004) MIPS, Ingolstaedter Landstr.1, D-85764 Neuherberg, GERMANY Clone from S. Wiemann, Molecular Genome Analysis, German Cancer Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de; sequenced by Agowa (Berlin/Germany) within the cDNA sequencing consortium of the German Genome Project. This clone (DKFZp45902210) is available at the RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH in Berlin, Germany. please contact RZPD for ordering: http://www.rzpd.de/cgi-bin/products/cl.cgi?cloneID=DKFZp45902210 Further information about the clone and the sequencing project is available at http://mips.gsf.de/projects/cdna/.
COMMENT	Location/Qualifiers 1..2825 /organism="Pongo pygmaeus" /mol_type="mRNA" /db_xref="taxon:9600" /clone="DKFZp45902210" /tissue_type="cortex" DH10B; sites SfilA + SfilB /dev_stage="adult" /note="Gamma-tubulin complex component 4 (Homo sapiens), N-terminus truncated" 1..2825 /gene="DKFZp45902210" <3..1979 /codon_start=1 /product="hypothetical protein" /protein_id="CAI29719.1" /db_xref="GI:56403868" /translation="LSGYPGSIFTWNKRSGLQVSDPFPLHPSETSVLNLRLCLGTDY IFPTEFYQTHQODHHPQOQGGHGLVYLAFTCTGLDSVLQPYRQALLDLEQ FLCDPHLSHVNYSLDQQLPSPVWVVEQIKSKQIHGCOILETVYKHS CGGLPPV RSALKILAVCHGVMYKQSLANMLGLLDLQHEEFPIKQSPGNSVAQPEDEEDLG IGLTKQKLEQLDURLEENMLAPLSKQFSLRVLPSPYIPVRVAEKILFVGSVQ MFENQVNI TRGSKILNKQEDTFAELHRLKQOPLFSLVDFFQVVDVIRISTVAHLWK LWVESDGLQKIIKDFYLLGRLGFQAFIDTAQHLKTPPTVAHEDVNVAFQOSA HKVLLDDNLLPLLHTIETHGKEHKGDTQAREGPRSTPREAPASGWAALGLSVKY QNPFLHLPVAVLEKYNVYKLLSVRRVQAEILHCWALQMOKHLSKNOTDAIKWRL RNMFLPVDNLQTYLVDSQFSLQHQINSTRDPESIRLAHDHFLSNLLAQSFIL LKPVFICLEILLDCHSFCSLVSNLGPIDRGAQLSILVKGFSQSSLLFKLLSSV RNHQINSDLAQLLLRLDYNKYTTQAGGTGSGFM"
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gene	
CDS	
ORIGIN	Query Match 34.5%; Score 123.8; DB 4; Length 2825; Best Local Similarity 69.9%; Pred. No. 9.6e-13; Matches 167; Conservative 0; Mismatches 72; Indels 0; Gaps 0; QY 1 CCGGGCTAATTTTGTATCTTTAGTAGAGACGCGCTTCTCCATGTTGGTCAGCGCTGGTC 60 DB 2659 CCTAGCTAATTTTGTATTTTATAGTAGATTCGGGGTTTCATGTTGGTCAGCGCTGGCC 2600 QY 61 TCGAACTTCAAACTCAGGTGATCCGCGCCCTCGGCTCCCAAGTGTAGGATTACAG 120 DB 2599 TCAAACTCTTGACTTCAGGTGATCCGCGCCCTCGGCTCCCAAGTGTGGGATTACAG 2540 QY 121 GCGTGAGCCACCGCGCTCAGCTGGGAAACACCTTTTCTTACATCTTCAAGTGTAGAAAT 180 DB 2539 GTGTGAGCCACCATGCCCGCCCTAAGAAATACTTTAAGTATATATTTTCATTAGCTAGAAT 2480 QY 181 GCTTATGAACGAAAAAGAAATTTTAAAGTAATTTATAAGAAACACATCTTTCTT 239 DB 2479 GCCCAATCTGTAGGTATAAATTTACTTGTGTATAGGAGAGAAAGCCCTATCTTACCT 2421 RESULT 5 AA678616/c LOCUS
DEFINITION	ah03c11.s1 Gessler Wilms tumor Homo sapiens cDNA clone IMAGE:1155572 3' similar to contains Alu repetitive element;; mRNA sequence.
ACCESSION	AA678616
VERSION	AA678616.1 GI:2659138
KEYWORDS	EST.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens Mammalia; Euzozoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Euzozoa; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 206) Hillier, L., Allen, M., Bowles, L., Dubuque, T., Geisler, G., Jost, S., Krisman, D., Kucaba, T., Lacy, M., Le, N., Lennon, G., Marra, M., Martin, J., Moore, B., Schellenberg, K., Steptoe, M., Tan, F., Theising, B., White, Y., Wylie, T., Waterston, R. and Wilson, R. WashU-NCI human EST Project Unpublished (1997) Contact: Wilson RK Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810 Email: esc@watson.wustl.edu This clone is available royalty-free through LNL; contact the IMAGE Consortium (info@image.lnl.gov) for further information. Seq primer: -40m13 fwd. ET from Amersham High quality sequence stop: 206.
FEATURES Location/Qualifiers	1..206 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clone="IMAGE:1155572" /sex="pooled (6)" /lab_host="DH10B" /clone_lib="Gessler Wilms tumor" /note="Vector: pSPORT1; Site 1: SalI; Site 2: NotI; RNA was prepared from a pool of 6 anonymous Wilms' tumor RNAs. RNA was prepared by acid-phenol, followed by one round of oligo dt selection. cDNA library preparation was with the BRL/Life Tech. Superscript Plasmid system. An oligo-dt NotI primer for first strand synthesis generated ggggcgccc(t)n at the 3' end of the clones. A 5' SalI adaptor was used with sequence 5'-gtcagccacgcgtccg-3'. Resulting cDNAs were size selected (average size 2 kb), NotI digested, and ligated into NotI/SalI-cut pSPORT1. Library was constructed by Dr. Manfred Gessler."
ORIGIN	Query Match 34.4%; Score 123.4; DB 1; Length 206; Best Local Similarity 78.3%; Pred. No. 1.8e-12; Matches 148; Conservative 0; Mismatches 41; Indels 0; Gaps 0; QY 1 CCGGGCTAATTTTGTATCTTTAGTAGAGACGCGCTTCTCCATGTTGGTCAGCGCTGGTC 60 DB 192 CCCAGCTAATTTTGTATCTTTAGTAGAGACGAGGTTTCGCCATGTTGGCCAGCGCTGTC 133 QY 61 TCGAACTTCAAACTCAGGTGATCCGCGCCCTCGGCTCCCAAGTGTAGGATTACAG 120 DB 132 TCGAACTCTGACCTCAGGTGATCCACCGCCCTCGGCTTCCAAAGTGTGGGATTACAG 73 QY 121 GCGTGAGCCACCGCGCTCAGCTGGGAAACACCTTTTCTTACATCTTCAAGTGTAGAAAT 180 DB 72 GCGTGAGCCACCGCTGCTGCCAGGATATAGGTTTTTTCTTTTCAACTGTATCTAGAAAT 13 QY 181 GCTTATGAA 189 DB 12 GGACATCAA 4 RESULT 6 T96411/c

LOCUS T96411 410 bp mRNA linear EST 27-MAR-1995
DEFINITION Ye34e04.s1 Stratagene lung (#937210) Homo sapiens cDNA clone
IMAGE:119646 3' similar to contains Alu repetitive element; , mRNA
sequence.

ACCESSION T96411 GI:735035
VERSION T96411.1
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 410)
AUTHORS Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B.,
Chisoso,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W.,
Hawkins,M., Hultman,M., Kucaba,T., Lacy,M., Le,M., Le,N.,
Mardis,E., Moore,B., Morris,M., Parsons,J., Prange,C., Rifkin,L.,
Rohlfing,T., Schellenberg,K., Soares,M.B., Tan,P., Thierry-Mieg,J.,
Trevisan,E., Underwood,K., Wohlmann,P., Waterston,R., Wilson,R.
and Marra,M.

TITLE Generation and analysis of 280,000 human expressed sequence tags
JOURNAL Genome Res. 6 (9), 807-828 (1996)
PUBMED 8889549
COMMENT Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
High quality sequence stops: 305
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: -21m3
High quality sequence stop: 305.

FEATURES
source
1..410
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:487935"
/db_xref="taxon:9606"
/clone="IMAGE:119646"
/sex="male"
/dev_stage="72 years"
/lab_host="SOLR cells (kanamycin resistant)"
/clone_lib="Stratagene lung (#937210)"
/note="Organ: lung; Vector: pBluescript SK-; Site 1:
EcoRI; Site 2: XhoI; Cloned unidirectionally. Primer:
Oligo dt. normal lung. Average insert size: 1.0 Kb;
Uni-ZAP XR Vector; ~5' adaptor sequence: 5' GAATTCGGCAGG
3' ~3' adaptor sequence: 5' CTCGAGTATTTTATTTTATTTT 3'

ORIGIN
Query Match 34.3%; Score 123; DB 8; Length 410;
Best Local Similarity 92.8%; Pred. No. 1.9e-12;
Matches 129; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
QY 4 GCGTAATTTTGTATCTTTTAGTAGAGACGGCGTTCCTCCATGTTGGTCAGGCTGGTCTCG 63
DB 316 GCGTAATTTTGTATCTTTTAGTAGAGACGGCGTTCCTCCATGTTGGTCAGGCTGGTCTCG 257
QY 64 AACTTCAAACTCAGGTGATCCGCCCTCGGCCTCCCAAGTGTAGATTACAGGCG 123
DB 256 AACTCCCAACTCAGGTGATCCGCCCTCGGCCTCCCAAGTGTCTCGATTACAGGCG 197
QY 124 TGAGCCACCGCGCTCAGCC 142
DB 196 TGAGCCACCGCGCCAGCC 178

RESULT 7
AAQ19825
LOCUS

DEFINITION Ye34e04.s1 Stratagene lung (#937210) Homo sapiens cDNA clone
IMAGE:119646 3' similar to contains Alu repetitive element; , mRNA
sequence.

ACCESSION T96411 GI:735035
VERSION T96411.1
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 410)
AUTHORS Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B.,
Chisoso,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W.,
Hawkins,M., Hultman,M., Kucaba,T., Lacy,M., Le,M., Le,N.,
Mardis,E., Moore,B., Morris,M., Parsons,J., Prange,C., Rifkin,L.,
Rohlfing,T., Schellenberg,K., Soares,M.B., Tan,P., Thierry-Mieg,J.,
Trevisan,E., Underwood,K., Wohlmann,P., Waterston,R., Wilson,R.
and Marra,M.

TITLE Generation and analysis of 280,000 human expressed sequence tags
JOURNAL Genome Res. 6 (9), 807-828 (1996)
PUBMED 8889549
COMMENT Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
High quality sequence stops: 305
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: -21m3
High quality sequence stop: 305.

FEATURES
source
1..410
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:487935"
/db_xref="taxon:9606"
/clone="IMAGE:119646"
/sex="male"
/dev_stage="72 years"
/lab_host="SOLR cells (kanamycin resistant)"
/clone_lib="Stratagene lung (#937210)"
/note="Organ: lung; Vector: pBluescript SK-; Site 1:
EcoRI; Site 2: XhoI; Cloned unidirectionally. Primer:
Oligo dt. normal lung. Average insert size: 1.0 Kb;
Uni-ZAP XR Vector; ~5' adaptor sequence: 5' GAATTCGGCAGG
3' ~3' adaptor sequence: 5' CTCGAGTATTTTATTTTATTTT 3'

ORIGIN
Query Match 34.3%; Score 123; DB 8; Length 410;
Best Local Similarity 92.8%; Pred. No. 1.9e-12;
Matches 129; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
QY 4 GCGTAATTTTGTATCTTTTAGTAGAGACGGCGTTCCTCCATGTTGGTCAGGCTGGTCTCG 63
DB 316 GCGTAATTTTGTATCTTTTAGTAGAGACGGCGTTCCTCCATGTTGGTCAGGCTGGTCTCG 257
QY 64 AACTTCAAACTCAGGTGATCCGCCCTCGGCCTCCCAAGTGTAGATTACAGGCG 123
DB 256 AACTCCCAACTCAGGTGATCCGCCCTCGGCCTCCCAAGTGTCTCGATTACAGGCG 197
QY 124 TGAGCCACCGCGCTCAGCC 142
DB 196 TGAGCCACCGCGCCAGCC 178

RESULT 7
AAQ19825
LOCUS

DEFINITION RPCI-11-179F14.TJ RPCI-11 Homo sapiens genomic clone
RPCI-11-179F14, genomic survey sequence.
ACCESSION AQ19825
VERSION AQ19825.1 GI:4477549
KEYWORDS GSS.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 624)
AUTHORS Zhao,S., Adams,M.D., Nierman,W., Malek,J., de Jong,P. and
Venter,J.C.

TITLE Use of BAC End Sequences from Library RPCI-11 for Sequence-Ready
Map Building
JOURNAL Unpublished (1997)
COMMENT Other GSSs: RPCI-11-179F14.TV
Contact: Shaying Zhao, William Nierman, Mark Adams
Department of Eukaryotic Genomics
The Institute for Genomic Research
9712 Medical Center Dr., Rockville, MD 20850
Tel: 301 838 0200
Fax: 301 838 0208
Email: hbe@tigr.org
Clones are derived from the human BAC library RPCI-11. For BAC
library availability, please contact Pieter de Jong
(pieter@jong.med.buffalo.edu). Clones may be purchased from
BACPAC Resources (http://bacpac.med.buffalo.edu/ordering) or from
Research Genet cs (info@resgen.com). BAC end search page:
http://www.tigr.org/tldb/hungen/bac_end_search/bac_end_search.html.
Seq primer: SP6
Class: BAC ends.

FEATURES
source
1..624
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="GDB:7568485"
/db_xref="taxon:9606"
/clone="RPCI-11-179F14"
/sex="Male"
/cell_type="Lymphocytes"
/clone_lib="RPCI-11"
/note="Vector: pBACE3.6; Site 1: EcoRI; Site 2: EcoRI;
RPCI11 Human Male BAC Library"

ORIGIN
Query Match 34.3%; Score 123; DB 9; Length 624;
Best Local Similarity 75.4%; Pred. No. 1.8e-12;
Matches 153; Conservative 0; Mismatches 50; Indels 0; Gaps 0;
QY 2 CCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCCTCCATGTTGGTCAGGCTGGTCT 61
DB 257 CCGGCTAATTTTGTATCTTTTAGTAGAGATGGAGTTTCGCCATGTTGGCCAGGCTAGTCT 316
QY 62 CGAATTCAACCTCAGGTGATCCCGCGCTCGGCCTCCCAAGTGTAGATTACAGG 121
DB 317 TGAACCTCTGACCTCAGGTGATCCACCTGCCTCGGCCTCCCAAGTGTGGGATTACAGG 376
QY 122 CQTGAGCCACCGCGCTCAGCCCTGGGAAACACCTTTTCTTACATCTTCAAGTGTAGAAATG 181
DB 377 CQTGAGCCACCGCGCCAGCCAGCCAGGAACTCCTTTCTAATGATTCTTCCCTCAATCTC 436
QY 182 CTTATGAAAAACGAAAAAATTT 204
DB 437 CTGTTTGAAGGAGAAAAAGTTT 459

RESULT 8
AA368329/c
LOCUS
DEFINITION EST79571 Placenta I Homo sapiens cDNA similar to EST containing Alu
repeat. mRNA sequence.
ACCESSION AA368329

AA368329.1 GI:2020648
EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo.
REFERENCE 1 (bases 1 to 202)
Adams,M.D., Soares,M.B., Kerlavage,A.R., Fields,C. and Venter,J.C.
Rapid cDNA sequencing (expressed sequence tags) from a directionally cloned human infant brain cDNA library
Nat. Genet. 4, 373-380 (1993)
COMMENT Contact: Kerlavage, AR
Bioinformatics
The Institute for Genomic Research
9712 Medical Center Drive, Rockville, MD 20850 USA
Tel: 3018699056
Fax: 3018699423
Email: arkerlav@tigr.org
For clone availability, additional sequence and expression information related to this EST, please check the TIGR Human Gene Index (<http://www.tigr.org/cdb/hgi/hgi.html>)
Seq primer: M13 Reverse.
Location/Qualifiers
FEATURES
source
1..202
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="ATCC (inhost):173016"
/db_xref="taxon:9606"
/tissue_type="placenta"
/dev stage="fetus"
/clone_lib="Placenta I"
/note="Organ: Placenta; Vector: pBluescript SK-; Site_1: EcoRI; Site_2: EcoRI"
ORIGIN
Query Match 34.1%; Score 122.4; DB 1; Length 202;
Best Local Similarity 86.5%; Pred. No. 2.8e-12;
Matches 135; Conservative 0; Mismatches 21; Indels 0; Gaps 0;
Qy 1 CCCGGCTAATTTTGATCTTTTAGTAGAGCGCGTTCCTCCATGTTGGTCAGCGCTGGTC 60
Db 170 CCCGGCTAATTTTGATCTTTTAGTAGAGATGGGTTTCTCCATGTTGGTCAGCGCTGGTC 111
Qy 61 TCGAATCTCAAACTCAGGTGATCCGCCCGCTCGGCTCCCAAGTGTAGGATTACAG 120
Db 110 TCGAATCTCTGACCTCAGGTGATCTGCCACCTCGGCTCCCAAGTGTGGGATTACAG 51
Qy 121 CGGTGAGCCACCGCGCTCAGCTCGGACACCTTTT 156
Db 50 GCATGAGCCACCGCGCTCGGCTCGGACCATCTTTT 15
RESULT 9
CK823193 350 bp mRNA linear EST 11-MAR-2004
LOCUS iJ25f02.y5 Melton Normalized Human Islet 4 N4-HIS 1 Homo sapiens
DEFINITION cDNA clone IMAGE:6135699 5', mRNA sequence.
CK823193
CK823193.1 GI:44840118
EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo.
REFERENCE 1 (bases 1 to 350)
Melton,D., Meadows,A., Clifton,S., Hillier,L., Marra,M., Pape,D., Wylie,T., Martin,J., Blissain,A., Schmitt,A., Theising,B., Ritter,E., Ronko,I., Bennett,J., Cardenas,M., Gibbons,M., McCann,R., Cole,R., Tsagareishvili,R., Williams,T., Jackson,Y. and Brown,Y.
TITLE Unpublished (2000)
JOURNAL Contact: Douglas Melton, Klaus H. Kaestner, & Hiroshi Inoue
COMMENT Endocrine Pancreas Consortium
Harvard University, Howard Hughes Medical Institute
Dept of Molecular and Cellular Biology, 7 Divinity Ave, Cambridge, MA 02138
Tel: 617-495-1812
Fax: 617-495-8557
Email: dmelton@iobhp.harvard.edu
This read is a 5' RESEQUENCE of a previously sequenced pancreas clone
This read has been verified (found to hit its original self in the correct orientation)
Seq primer: -40RP from Gibco.
Location/Qualifiers
FEATURES
source
1..350
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6135699"
/sex="Both"
/tissue_type="Islets of Langerhans"
/dev stage="Adult"
/lab_host="DH10B"
/clone_lib="Melton Normalized Human Islet 4 N4-HIS 1"
/note="Organ: Pancreas; Vector: pSPORT1; Site_1: Not 1; Site 2: Sal 1; Starting library constructed using SuperScript Plasmid Library kit (Life Technologies). cDNA made by oligo-dT priming. Size-selected by column fractionation; average insert size 1.08 kb. Library was amplified once on solid support and plasmid DNA from library was prepared. The library DNA was normalized by method #4 from Bonaldo, Lennon, and Soares 1996 Genome Research 6:791-806; 0.5 microgram single-stranded library Plasmid DNA was mixed with 5 micrograms PCR product representing library inserts and hybridized to an Ecot of 20. Single-stranded (unhybridized) plasmids were isolated by hydroxyapatite chromatography and used to make this library."
ORIGIN
Query Match 33.9%; Score 121.8; DB 7; Length 350;
Best Local Similarity 77.8%; Pred. No. 3.2e-12;
Matches 147; Conservative 0; Mismatches 42; Indels 0; Gaps 0;
Qy 1 CCCGGCTAATTTTGATCTTTTAGTAGAGCGCGTTCCTCCATGTTGGTCAGCGCTGGTC 60
Db 58 CCCAGCTAATTTTGTATCTTTTAGTAGAGACGAGGTTTCGCCATGTTGGCCAGCGCTGGTC 117
Qy 61 TCGAATCTCAAACTCAGGTGATCCGCCCGCTCGGCTCCCAAGTGTAGGATTACAG 120
Db 118 TCGAATCTCTGACCTCAGGTGATCCACCGCTCGGCTCCCAAGTGTGGGATTACAG 177
Qy 121 CGGTGAGCCACCGCGCTCAGCTCGGACACCTTTTCTTACATCTTCAAGTGTAGGAAT 180
Db 178 CGGTGAGCCACCGCTGCTCGGCCAGAGTAGGTTTTTCTTCAACTGTGATCAGTAGAAAAT 237
Qy 181 GCTTATGAA 189
Db 238 GGACATCAA 246
RESULT 10
AW078821/c
LOCUS AW078821
DEFINITION similar to contains Alu repetitive element; contains element MER20 repetitive element ;, mRNA sequence.
ACCESSION AW078821
VERSION AW078821.1
KEYWORDS GI:6033973
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominae; Homo.
1 (bases 1 to 354)
NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
Unpublished (1997)
JOURNAL
COMMENT Contact: Robert Strausberg, Ph.D.
Email: c9apbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Seq primer: -40UP from Gibco
High quality sequence stop: 341.
Location/Qualifiers
source
1..354
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2574977"
/tissue_type="juvenile granulosa tumor"
/lab_host="DH10B"
/clone_lib="NCI-CGAP Col7"
/note="Organ: colon; Vector: pCMV-SPORT6; Site 1: SalI;
Site 2: NotI; Cloned unidirectionally. Primer: Oligo dt.
Library constructed by Life Technologies."

Query Match 33.9%; Score 121.8; DB 1; Length 354;
Best Local Similarity 77.8%; Pred. No. 3.2e-12;
Matches 147; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY 1 CCCGCTAATTTTGTATCTTTTAGTAGACGGCTTCCTCCATGTTGGTCAGGTGGTC 60
|||||
Db 328 CCCAGCTAATTTTGTATCTTTTAGTAGACGAGGTTTCGCATGTTGCCAGGTGGTC 269
|||||

QY 61 TCGAATCTCAACCTCAGGTGATCCGCGCTCCGCGCTCCCAAGTGTAGGATTACAG 120
|||||
Db 268 TCGAATCTCTGACCTCAGGTGATCCACCGCTCCGCGCTCCCAAGTGTGGGATTACAG 209
|||||

QY 121 GGTGAGCCACCGCTCAGCTGAGCTGGGACACCTTTTCTTACATCTTCAAGTCTAGAAAT 180
|||||
Db 208 GGTGAGCCACCGTGCCTGCCAGAAATAGGTTTTTTCTTCAACTTGCATAGAAAT 149
|||||

QY 181 GCTTATGAA 189
|||||
Db 148 GGACATCAA 140
|||||

RESULT 11
AW511507/c
LOCUS AW511507 355 bp mRNA linear EST 03-MAR-2000
DEFINITION xus7a01.x1 NCI-CGAP Ut1 Homo sapiens cDNA clone IMAGE:2805768 3'
similar to contains Alu repetitive element;; mRNA sequence.

ACCESSION AW511507
VERSION AW511507.1 GI:7149509
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominae; Homo.
1 (bases 1 to 355)
NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index

JOURNAL Unpublished (1997)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: c9apbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/image/html/iresources.shtml
Seq primer: -40UP from Gibco.
Location/Qualifiers
source
1..355
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2805768"
/tissue_type="well-differentiated endometrial
adenocarcinoma, 7 pooled tumors"
/lab_host="DH10B"
/clone_lib="NCI-CGAP Ut1"
/note="Organ: uterus; Vector: pCMV-SPORT6; Site 1: SalI;
Site 2: NotI; Cloned unidirectionally. Primer: Oligo dt.
Average insert size 1.75 kb. Life Technologies catalog #:
11538-014"

ORGIN

Query Match 33.9%; Score 121.8; DB 1; Length 355;
Best Local Similarity 77.8%; Pred. No. 3.2e-12;
Matches 147; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY 1 CCCGCTAATTTTGTATCTTTTAGTAGACGGCTTCCTCCATGTTGGTCAGGTGGTC 60
|||||
Db 328 CCCAGCTAATTTTGTATCTTTTAGTAGACGAGGTTTCGCATGTTGCCAGGTGGTC 269
|||||

QY 61 TCGAATCTCAACCTCAGGTGATCCGCGCTCCGCGCTCCCAAGTGTAGGATTACAG 120
|||||
Db 268 TCGAATCTCTGACCTCAGGTGATCCACCGCTCCGCGCTCCCAAGTGTGGGATTACAG 209
|||||

QY 121 GGTGAGCCACCGCTCAGCTGAGCTGGGACACCTTTTCTTACATCTTCAAGTCTAGAAAT 180
|||||
Db 208 GGTGAGCCACCGTGCCTGCCAGAAATAGGTTTTTTCTTCAACTTGCATAGAAAT 149
|||||

QY 181 GCTTATGAA 189
|||||
Db 148 GGACATCAA 140
|||||

RESULT 12
AW390284
LOCUS AW390284 363 bp mRNA linear EST 04-FEB-2000
DEFINITION CM2-ST0182-221099-023-f05 ST0182 Homo sapiens cDNA, mRNA sequence.
ACCESSION AW390284
VERSION AW390284.1 GI:6894943
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominae; Homo.
1 (bases 1 to 363)
HCGP <http://www.ludwig.org.br/ORESTES>.
The FAPESP/LICR Human Cancer Genome Project
Unpublished (1999)
JOURNAL
COMMENT Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
Brazil
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br

This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL
(<http://www.ludwig.org.br/scripts/gethtml2.pl?Cl=CM2&t2=CM2-ST0182-221099-023-f05&t3=1999-10-22&t4=1>)
Seq primer: puc 18 forward
High quality sequence stop: 363.

FEATURES

Location/Qualifiers
1..363
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/dev_stage="Adult"
/clone_lib="ST0182"

/note="Organ: stomach; Vector: puc18; Site 1: SmaI; Site 2: SmaI; A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."

ORIGIN

Query Match 33.9%; Score 121.8; DB 1; Length 363;
Best Local Similarity 77.8%; Pred. No. 3.2e-12;
Matches 147; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY 1 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCTCCATGTTGTGTCAGGCTGGTC 60
|||
DB 62 CCCAGCTAATTTTGTACTTTTAGTAGAGACGAGGTTTCGCCATGTTGGCCAGGCTGGTC 121
|||
QY 61 TCGAATCTCAAACTCAGTGATCGCCGCTCGCCCTCCCAAGTGTCTAGATTACAG 120
|||
DB 122 TCGAATCTCTGACCTCAGTGATCCACCGCTCGCCCTCCCAAGTGTCTAGATTACAG 181
|||
QY 121 GCGTAGACCAACCGCTCAGCTCGGACACACCTTTTCTTACATCTTCAAGTGTCTAGAAAT 180
|||
DB 182 GCGTAGACCAACCGCTGCTGCCAGATAGTGTCTTCTTCACTTGTATCAGTAGAAAT 241
|||
QY 181 GCTTATGAA 189
|||
DB 242 GGACATCAA 250

RESULT 13
CB068575/c
LOCUS
DEFINITION
CB068575 364 bp mRNA linear EST 21-JAN-2003
1a30a03.x1 HR85 islet Homo sapiens cDNA clone IMAGE:6553806 3',
mRNA sequence.

ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homidae; Homo.

REFERENCE
AUTHORS
1 (bases 1 to 364)
Melton,D., Brown,J., Kenty,G., Permutt,A., Lee,C., Kaestner,K.,
Lemihka,I., Scearce,M., Brestelli,J., Gradwohl,G., Clifton,S.,
Hiller,I., Marra,M., Page,D., Wylie,T., Martin,J., Blistain,A.,
Schmitt,A., Theising,B., Ritter,E., Ronko,I., Bennett,J.,
Cardenas,M., Gibbons,M., McCann,R., Cole,R., Tsagarisshvili,R.,
Williams,T., Jackson,X. and Bowers,Y.

TITLE
JOURNAL
COMMENT
Endocrine Pancreas Consortium
Contact: Douglas Melton, Klaus H. Kaestner, & Hiroshi Inoue
Harvard University, Howard Hughes Medical Institute
Dept of Molecular and Cellular Biology, 7 Divinity Ave, Cambridge,
MA 02138
Tel: 617-495-1812
Fax: 617-495-8557
Email: dmelton@biohp.harvard.edu

Library was constructed by Dr. Hiroshi Inoue DNA sequencing by:
Washington University Genome Sequencing Center For information on
obtaining a clone please contact: Dr. Hiroshi Inoue
(hinoue@im.wustl.edu)

Seq primer: -40RP from Gibco
High quality sequence stop: 348.

FEATURES

Location/Qualifiers
1..364
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6553806"
/tissue_type="Purified pancreatic islet"
/lab_host="DH10B"

/clone_lib="HR85 islet"
/note="Organ: Pancreas; Vector: pBluescript SK(-); Site 1:
NotI, Site 2: XhoI; cDNA made by oligo-dT priming. Size:
Size-selected on agarose gel. Average insert size ~1kb. 5'
XhoI site was destroyed after directional cloning.
Amplified once. Contact information: Hiroshi Inoue, MD,
Metabolism Div. (Alan Permutt Lab), Washington University
School of Medicine, Box 8127, 660 South Euclid Ave., St.
Louis, MO 63110, E-mail: hinoue@imgate.wustl.edu, Tel:
314-362-1916, Fax: 314-747-2692."

ORIGIN

Query Match 33.9%; Score 121.8; DB 6; Length 364;
Best Local Similarity 77.8%; Pred. No. 3.2e-12;
Matches 147; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY 1 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCTCCATGTTGTGTCAGGCTGGTC 60
|||
DB 326 CCCAGCTAATTTTGTACTTTTAGTAGAGACGAGGTTTCGCCATGTTGGCCAGGCTGGTC 267
|||
QY 61 TCGAATCTCAAACTCAGTGATCGCCGCTCGCCCTCCCAAGTGTCTAGATTACAG 120
|||
DB 266 TCGAATCTCTGACCTCAGTGATCCACCGCTCGCCCTCCCAAGTGTCTAGATTACAG 207
|||
QY 121 GCGTAGACCAACCGCTCAGCTCGGACACACCTTTTCTTACATCTTCAAGTGTCTAGAAAT 180
|||
DB 206 GCGTAGACCAACCGCTGCTGCCAGATAGTGTCTTCTTCACTTGTATCAGTAGAAAT 147
|||
QY 181 GCTTATGAA 189
|||
DB 146 GGACATCAA 138

RESULT 14

AI347665/c
LOCUS
DEFINITION
AI347665 366 bp mRNA linear EST 02-FEB-1999
qp01c06.x1 NCI CGAP Kid5 Homo sapiens cDNA clone IMAGE:1916746 3',
similar to contains_Alu repetitive element;; mRNA sequence.

ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homidae; Homo.

REFERENCE
AUTHORS
TITLE
1 (bases 1 to 366)
NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index

JOURNAL
COMMENT
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapsb@mail.nih.gov

Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be

found through the I.M.A.G.E.B. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 436 Std Error: 0.00
Seq primer: -40UP from Gibco.

FEATURES

Location/Qualifiers

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1..366
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:1916746"
/tissue_type="2 pooled tumors (clear cell type)"
/lab_host="DH10B"
/clone_lib="NCI CGAP Kid5"
/note="Organ: kidney; Vector: pT7T3D-Pac (Pharmacia) with
a modified polylinker; Site 1: Not I; Site 2: Eco RI; 1st
strand cDNA was primed with a Not I - oligo(dT) primer [5',
AATCGAGAAATTCGCGCGCATATATTTTCTTTTCTTTT 3'],
double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT7T3 vector. Library
went through one round of normalization. Library
constructed by Bento Soares and M. Fatima Bonaldo. "
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ORIGIN

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Query Match 33.9%; Score 121.8; DB 1; Length 366;
Best Local Similarity 77.8%; Pred. No. 3.2e-12;
Matches 147; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

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DB 336 CCCAGCTAATTTTGTACTTTTAGTAGAGACGAGGTTTCGCCATGTTGGCCAGGCTGGTC 277

QY 61 TCGAACTTCAAACTCAGGTGATCGCGCGCTCGCGCTCCCAAAGTCTAGGATTACAG 120
DB 276 TCGAACTCTGACCTCAGGTGATCAACCGCTTCGGCTTCAAAGTCTGGGATTACAG 217

QY 121 GCGTGAGCCACCGCTCAGCTAGCTGGGAACACCTTTTCTTACATCTTCAAGTCTAGAAAT 180
DB 216 GCGTGAGCCACCGCTCGTGGCCAGATAGGTTTTTCTTCAACTTGATCAGTAGAAAT 157

QY 181 GCTTATGAA 189
DB 156 GGACATCAA 148
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RESULT 15

AA644223/c

LOCUS

ab63e10.sl Stragatene lung carcinoma 937218 Homo sapiens cDNA clone
IMAGE:845514 3, similar to contains Alu repetitive element; mRNA
sequence.

ACCESSION

AA644223.1 GI:2569441

VERSION

EST.

KEYWORDS

SOURCE

ORGANISM

Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.

REFERENCE

AUTHORS

1 (bases 1 to 376)
Hillier, L., Allen, M., Bowles, L., Dubuque, T., Geisel, G., Jost, S.,
Krisman, D., Lacy, M., Le, N., Lennon, G., Marra, M.,
Martin, J., Moore, B., Schellenberg, K., Steptoe, M., Tan, F.,
Theising, B., White, Y., Wylie, T., Waterston, R. and Wilson, R.

TITLE

WashU-NCI human EST Project

JOURNAL

Unpublished (1997)

COMMENT

Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108

Tel: 314 286 1800
Fax: 314 286 1810

Email: estowatson.wustl.edu

This clone is available royalty-free through LLNL; contact the

IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 534 Std Error: 0.00
Seq primer: -40ml3 fwd, ET from Amersham.

FEATURES

source

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/dev_stage="cell line NCI-H69"
/lab_host="SOLR (kanamycin resistant)"
/clone_lib="Stratagene lung carcinoma 937218"
/note="Organ: lung; Vector: pBluescript SK-; Site 1:  
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Oligo dT. Small cell carcinoma cell line NCI-H69. Average  
insert size: 1.0 kb; Uni-ZAP XR Vector; -5' adaptor  
sequence: 5' GAATTCGACGAG 3' -3' adaptor sequence: 5'  
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ORIGIN

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Query Match 33.9%; Score 121.8; DB 1; Length 376;
Best Local Similarity 77.8%; Pred. No. 3.2e-12;
Matches 147; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY 1 CCCGCTAATTTTGTATCTTTTAGTAGAGCGGCTTCTCATCTTGGTCAGGCTGGTC 60
DB 330 CCCAGCTAATTTTGTACTTTTAGTAGAGACGAGGTTTCGCCATGTTGGCCAGGCTGGTC 271

QY 61 TCGAACTTCAAACTCAGGTGATCGCGCGCTCGCGCTCCCAAAGTCTAGGATTACAG 120
DB 270 TCGAACTCTGACCTCAGGTGATCCACCGCTTCGAGCTTCAAAGTCTGGGATTACAG 211

QY 121 GCGTGAGCCACCGCTCAGCTGGGAACACCTTTTCTTACATCTTCAAGTCTAGAAAT 180
DB 210 GCGTGAGCCACCGCTGCGCCAGATAGGTTTTTCTTCAACTTGATCAGTAGAAAT 151

QY 181 GCTTATGAA 189
DB 150 GGACATCAA 142
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Search completed: May 6, 2006, 20:53:42

Job time : 2657 secs

GenCore version 5.1.8
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 6, 2006, 10:51:09 ; Search time 137 Seconds
(without alignments)
4657.990 Million cell updates/sec

Title: US-10-009-579A-5_COPY_3188_3546

Perfect score: 359
Sequence: 1 cccggctaatttgatctt.....tttttatagtgtcttgga 359

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*

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- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq:*
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- 8: /cgn2_6/ptodata/1/ina/RE COMB.seq:*
- 9: /cgn2_6/ptodata/1/ina/backfilesl.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 2	123.2	34.3	360470	3	US-09-949-016-13173
C 3	122.8	34.2	41182	3	US-09-949-016-17457
C 4	122.6	34.2	47741	3	US-09-949-002-785
C 5	122.2	34.0	31618	3	US-09-949-016-14759
C 6	122	34.0	601	3	US-09-949-016-25488
C 7	122	34.0	601	3	US-09-949-016-25489
C 8	122	34.0	601	3	US-09-949-016-25490
C 9	122	34.0	601	3	US-09-949-016-25491
C 10	122	34.0	601	3	US-09-949-016-73666
C 11	122	34.0	601	3	US-09-949-016-73667
C 12	122	34.0	601	3	US-09-949-016-73668
C 13	122	34.0	601	3	US-09-949-016-73669
C 14	122	34.0	39489	3	US-09-949-016-13886
C 15	122	34.0	70828	3	US-09-949-016-12122
C 16	121.8	33.9	601	3	US-09-949-016-181612
C 17	121.8	33.9	69709	3	US-09-949-016-15784
C 18	121.8	33.9	77994	3	US-09-949-016-12517
C 19	121.8	33.9	77994	3	US-09-949-016-16031
C 20	121.8	33.9	125672	3	US-09-949-016-16956
C 21	121.8	33.9	146039	3	US-09-949-016-12449
C 22	121.4	33.8	601	3	US-09-949-016-178724
C 23	121.4	33.8	35688	3	US-09-949-016-16873
C 24	121.2	33.8	601	3	US-09-949-016-186521

25	121.2	33.8	25260	3	US-09-949-016-11985	Sequence 11985, A
26	121.2	33.8	25260	3	US-09-949-016-12907	Sequence 12907, A
27	121.2	33.8	60589	3	US-09-949-016-17070	Sequence 17070, A
c 28	120.8	33.6	20662	3	US-09-949-016-16717	Sequence 16717, A
c 29	120.6	33.6	23521	3	US-09-949-016-14592	Sequence 14592, A
c 30	120.6	33.6	133278	3	US-09-949-016-12524	Sequence 12524, A
31	120.4	33.5	60137	3	US-09-949-016-14735	Sequence 14735, A
32	120.4	33.5	60137	3	US-09-949-016-14912	Sequence 14912, A
33	120.4	33.5	120727	3	US-09-949-016-15788	Sequence 15788, A
34	120.4	33.5	120727	3	US-09-949-016-15788	Sequence 15788, A
35	120.2	33.5	102409	3	US-09-949-016-15148	Sequence 15148, A
c 36	120.2	33.5	134434	3	US-09-949-016-17362	Sequence 17362, A
c 37	119.8	33.4	42741	3	US-09-949-016-11857	Sequence 11857, A
c 38	119.8	33.4	45819	3	US-09-949-002-825	Sequence 825, App
c 39	119.6	33.3	41941	3	US-09-949-016-17380	Sequence 17380, A
c 40	119.6	33.3	42975	3	US-09-949-016-11965	Sequence 11965, A
c 41	119.4	33.3	44554	3	US-09-949-016-12787	Sequence 12787, A
c 42	119.4	33.3	44555	3	US-09-949-016-12043	Sequence 12043, A
c 43	119.2	33.2	601	3	US-09-949-016-162151	Sequence 162151, A
c 44	119.2	33.2	8220	3	US-09-949-016-162151	Sequence 3, Appli
c 45	119.2	33.2	15084	3	US-09-949-016-16277	Sequence 16277, A

ALIGNMENTS

RESULT 1
US-09-949-016-14502/c
; Sequence 14502, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14502
; LENGTH: 38346
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(38346)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14502

Query Match 34.5%; Score 123.8; DB 3; Length 38346;
Best Local Similarity 83.8%; Pred. No. 1.6e-21;
Matches 140; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

QY	1	CCCGGCTAATTTTGATCTTTTAGTAGAGACGGCGTTCCTCCATGTTGTCAGGCTGGTC	60
DB	21255	CCGAGCTAATTTTGTATTTTAGTAGAGATGGGTTTCTCCATGTTGTCAGGCTGGTC	21196
QY	61	TCGAATCTCAACCTCAGGTGATCCCGCCGCTCCGCGCTCCCAAGTCTAGGATTACAG	120
DB	21195	TCCAACTCCAGACCTCAGGTGATCCCGCCGCTCAGTCTCCCAAGTCTAGGATTACAG	21136
QY	121	GCCTGAGCCACCGGCTCAGCCTGGGGAACACCTTTTCTTACATCTTC	167
DB	21135	GCCTGAGCCACTCGCGCCGCTGATAACTTTTAAACAGGCTC	21089

RESULT 2

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; Sequence 13173, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13173
; LENGTH: 360470
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13173

Query Match          34.3%; Score 123.2; DB 3; Length 360470;
Best Local Similarity 69.6%; Pred. No. 4.7e-21;
Matches 167; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 2 CCGGCTAAATTTTGTATCTTTTAGTAGACGGCGTTCCTCCCATGTTGGTCAGGCTGGTCT 61
DB 187435 CTGGCTAAATTTTGTATCTTTTAGTAGAGATGGGTTTACCATGTTGCCACCTGGTCT 187494

QY 62 CGAACTTCAAACCTCAGGTGATCCGCCGCTCCGCCCTCCAAAGTGTAGGATTACAGG 121
DB 187495 CGAACTCCTGACCTCAGGTGATTTGCCGCTCCGCCCTCCAAAGTGTGGATTACAGA 187554

QY 122 CGTGAGCCACCGGCTCAGCTCGGACACCTTTTCTTACATCTTCAAGTGTAGAAATG 181
DB 187555 CGTGAGCCACCATGCCAGCGTGTCTTTCTTTTAGATAAATTTTGTATTGTTTCATA 187614

QY 182 CTTATGAAACGAAAAAGAAATTTATTAGAGTAATTTATAAGAAACACACTTTTCTTCC 241
DB 187615 CATTAGTAAGAATATAGATAGCAAGAGAAAATTAANAATACCTTCAGCTCTCTCC 187674

RESULT 3
US-09-949-016-17457/c
; Sequence 17457, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17457
; LENGTH: 41182
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(41182)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17457

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Best Local Similarity 70.4%; Pred. No. 3.5e-21;
Matches 164; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

QY 1 CCGGCTAAATTTTGTATCTTTTAGTAGACGGCGTTCCTCCATGTTGGTCAGGCTGGTCT 60
DB 10107 CCGGCTAAATTTTGTGTTTGTAGTAGACGGGTTTCCACCATGTTGCCAGCGGCTC 10048

QY 61 TCGAACTTCAAACCTCAGGTGATCCGCCGCTCCGCCCTCCAAAGTGTAGGATTACAG 120
DB 10047 TCAAACCTCTGACCTCAGGTGATCCGCCCTCCGCCCTCCCAACGTGTGGGATTACGG 9988

QY 121 GCGTGAGCCACCGGCTCAGCTCGGACACCTTTTCTTACATCTTCAAGTGTAGAAAT 180
DB 9987 GTGTGAGCCACTGCCGCCGCTGATCTCAATTTTCTTACTATGAAAGTATACAAAT 9928

QY 181 GCTTATGAAACGAAAAAGAAATTTATTAGAGTAATTTATAAGAAACACTCTCAT 233
DB 9927 CGAAACACTGGAGGAAACAAATGGAATAATTAAGAAATTTAAAAAATTACAT 9875

RESULT 5
US-09-949-016-14759/c
; Sequence 14759, Application US/09949016
; Patent No. 6812339
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GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14759
; LENGTH: 31618
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14759

Query Match 34.0%; Score 122.2; DB 3; Length 31618;
Best Local Similarity 83.8%; Pred. No. 3.9e-21;
Matches 150; Conservative 0; Mismatches 28; Indels 1; Gaps 1;

QY 1 CCGGCTAATTTTGTATCTTTTAGTAGACGCGTTCCTCCATGTTGGTCAGGCTGGTC 60
DB 9317 CCGGCTAATTTTGTAT- TTTTAGTAGAGATGGGTTTCTCCATATTGTCAGGTTGGTC 9259

QY 61 TCGAACTTCAAACTCAGGTGATCCCGCGCTCGCGCTCCCAAGTCTAGGATTACAG 120
DB 9258 TCGAACTCTTAACCTCAGGTGATCCACCGCTCGCGCTCCCAAGTCTGGGATTACAG 9199

QY 121 GCGTGAGCCACCGCGCTCAGCTGGGAACACCTTTTCTTACATCTTCAAGTCTAGAA 179
DB 9198 GCGTGAGCCACCGCGCTCAGGAACATGTTTTTAAAGCCACAGAAATGACAGTAA 9140

RESULT 6
US-09-949-016-25488/c
; Sequence 25488, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25488
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-25488

Query Match 34.0%; Score 122; DB 3; Length 601;
Best Local Similarity 84.6%; Pred. No. 1.3e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 1 CCGGCTAATTTTGTATCTTTTAGTAGACGCGTTCCTCCATGTTGGTCAGGCTGGTC 60
DB 318 CCGGCTAATTTTGTATTTTGTAGTAGACGCGGTTTCCCATGTTGGTCAGGCTGGTC 259

QY 61 TCGAACTTCAAACTCAGGTGATCCCGCGCTCGCGCTCCCAAGTCTAGGATTACAG 120
DB 258 TTGAACCTCCTGACCTCAGGTGATCTCGCGCTCGCGCTCCCAAGTCTGGGATTACAG 199

QY 121 GCGTGAGCCACCGCGCTCAGCTGGGAACACCTTTTCTTAC 162
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RESULT 8
US-09-949-016-25490/c
; Sequence 25490, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25490
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-25490

Db 424 TTGAACCTCCTGACCTCAGGTGATCTCGCGCTCGCGCTCCCAAGTCTGGGATTACAG 365

QY 121 GCGTGAGCCACCGCGCTCAGCTGGGAACACCTTTTCTTAC 162
DB 364 GCGTGAGCCACCGCGCTCGCGCTCGCGCTCCCAAGTCTGGGATTACAG 323

RESULT 7
US-09-949-016-25489/c
; Sequence 25489, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25489
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-25489

Query Match 34.0%; Score 122; DB 3; Length 601;
Best Local Similarity 84.6%; Pred. No. 1.3e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 1 CCGGCTAATTTTGTATCTTTTAGTAGACGCGTTCCTCCATGTTGGTCAGGCTGGTC 60
DB 318 CCGGCTAATTTTGTATTTTGTAGTAGACGCGGTTTCCCATGTTGGTCAGGCTGGTC 259

QY 61 TCGAACTTCAAACTCAGGTGATCCCGCGCTCGCGCTCCCAAGTCTAGGATTACAG 120
DB 258 TTGAACCTCCTGACCTCAGGTGATCTCGCGCTCGCGCTCCCAAGTCTGGGATTACAG 199

QY 121 GCGTGAGCCACCGCGCTCAGCTGGGAACACCTTTTCTTAC 162
DB 198 GCGTGAGCCACCGCGCTCGCGCTCGCGCTCCCAAGTCTGGGATTACAG 157

RESULT 8
US-09-949-016-25490/c
; Sequence 25490, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25490
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-25490

Query Match 34.0%; Score 122; DB 3; Length 601;
Best Local Similarity 84.6%; Pred. No. 1.3e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 1 CCGCGCTAATTTTGTATCTTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 60
DB 315 CCGCGCTAATTTTGTATCTTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 256

QY 61 TCGAACTTCAAACCTCAGGTGATCGCGCGCTCGCGCTCCCAAAAGTGTAGGATTACAG 120
DB 255 TTGAACTCTGACCTCAGGTGATCTGCGCGCTCGCGCTCCCAAAAGTGTGGATTACAG 196

QY 121 GCGTGAGCCACCGCGCTCAGCTCAGCTGGGAACACCTTTTCTTACA 162
DB 195 GCGTGAGCCACCGCGCGCGCGCAGTTTTTACTTTTTTCTAAAA 154

RESULT 9
US-09-949-016-25491/c
; Sequence 25491, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25491
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-25491

Query Match 34.0%; Score 122; DB 3; Length 601;
Best Local Similarity 84.6%; Pred. No. 1.3e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 1 CCGCGCTAATTTTGTATCTTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 60
DB 165 CCGCGCTAATTTTGTATCTTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 106

QY 61 TCGAACTTCAAACCTCAGGTGATCGCGCGCTCGCGCTCCCAAAAGTGTAGGATTACAG 120
DB 105 TTGAACTCTGACCTCAGGTGATCTGCGCGCTCGCGCTCCCAAAAGTGTGGATTACAG 46

QY 121 GCGTGAGCCACCGCGCTCAGCTCAGCTGGGAACACCTTTTCTTACA 162
DB 45 GCGTGAGCCACCGCGCGCGCGCAGTTTTTACTTTTTTCTAAAA 4

RESULT 10
US-09-949-016-73666/c
; Sequence 73666, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73666
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-73666

Query Match 34.0%; Score 122; DB 3; Length 601;
Best Local Similarity 84.6%; Pred. No. 1.3e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 1 CCGCGCTAATTTTGTATCTTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 60
DB 484 CCGCGCTAATTTTGTATCTTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 425

QY 61 TCGAACTTCAAACCTCAGGTGATCGCGCGCTCGCGCTCCCAAAAGTGTAGGATTACAG 120
DB 424 TTGAACTCTGACCTCAGGTGATCTGCGCGCTCGCGCTCCCAAAAGTGTGGATTACAG 365

QY 121 GCGTGAGCCACCGCGCTCAGCTCAGCTGGGAACACCTTTTCTTACA 162
DB 364 GCGTGAGCCACCGCGCGCGCGCAGTTTTTACTTTTTTCTAAAA 323

RESULT 11
US-09-949-016-73667/c
; Sequence 73667, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73667
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-73667

Query Match 34.0%; Score 122; DB 3; Length 601;
Best Local Similarity 84.6%; Pred. No. 1.3e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 1 CCGCGCTAATTTTGTATCTTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 60
DB 318 CCGCGCTAATTTTGTATCTTTTAGTAGAGACGGCGTCTCCATGTTGGTCAGGCTGGTC 259

QY 61 TCGAACTTCAAACCTCAGGTGATCGCGCGCTCGCGCTCCCAAAAGTGTAGGATTACAG 120
DB 258 TTGAACTCTGACCTCAGGTGATCTGCGCGCTCGCGCTCCCAAAAGTGTGGATTACAG 199

QY 121 GCGTGAGCCACCGCGCTCAGCTCAGCTGGGAACACCTTTTCTTACA 162
DB 198 GCGTGAGCCACCGCGCGCGCGCAGTTTTTACTTTTTTCTAAAA 157

RESULT 12
US-09-949-016-73668/c

; Sequence 73668, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73668
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-73668

Query Match 34.0%; Score 122; DB 3; Length 601;
Best Local Similarity 84.6%; Pred. No. 1.3e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 1 CCGGGCTAAATTTGTATCTTTTAGTAGAGACGGCGTTCTCCCATGTTGGTCAGGCTGGTC 60
DB 315 CCGGGCTAAATTTGTATCTTTTAGTAGAGACGGCGTTCTCCCATGTTGGTCAGGCTGGTC 256

QY 61 TCGAACTTCAAACTCAGGTGATCCCGCCCTCGGCTCCCAAGTGTAGATTACAG 120
DB 255 TTGAACCTCTGACCTCAGGTGATCTCGCGCTCGGCTCCCAAGTGTGGGATTACAG 196

QY 121 GCGTGAGCCACCGGCTCAGCTGAGTCCCGCCCTCGGCTCCCAAGTGTCTTACA 162
DB 195 GCGTGAGCCACCGGCTCAGCTGAGTCCCGCCCTCGGCTCCCAAGTGTCTTAAAA 154

RESULT 13
US-09-949-016-73669/c
; Sequence 73669, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73669
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-73669

Query Match 34.0%; Score 122; DB 3; Length 601;
Best Local Similarity 84.6%; Pred. No. 1.3e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 1 CCGGGCTAAATTTGTATCTTTTAGTAGAGACGGCGTTCTCCCATGTTGGTCAGGCTGGTC 60
DB 165 CCGGGCTAAATTTGTATCTTTTAGTAGAGACGGCGTTCTCCCATGTTGGTCAGGCTGGTC 106

QY 61 TCGAACTTCAAACTCAGGTGATCCCGCCCTCGGCTCCCAAGTGTAGATTACAG 120
DB 105 TTGAACCTCTGACCTCAGGTGATCTCGCGCTCGGCTCCCAAGTGTGGGATTACAG 46

QY 121 GCGTGAGCCACCGGCTCAGCTGAGTCCCGCCCTCGGCTCCCAAGTGTCTTACA 162
DB 45 GCGTGAGCCACCGGCTCAGCTGAGTCCCGCCCTCGGCTCCCAAGTGTCTTAAAA 4

RESULT 14
US-09-949-016-13886/c
; Sequence 13886, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13886
; LENGTH: 39489
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(39489)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13886

Query Match 34.0%; Score 122; DB 3; Length 39489;
Best Local Similarity 84.6%; Pred. No. 4.7e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 1 CCGGGCTAAATTTGTATCTTTTAGTAGAGACGGCGTTCTCCCATGTTGGTCAGGCTGGTC 60
DB 20196 CCGGGCTAAATTTGTATCTTTTAGTAGAGACGGCGTTCTCCCATGTTGGTCAGGCTGGTC 20137

QY 61 TCGAACTTCAAACTCAGGTGATCCCGCCCTCGGCTCCCAAGTGTAGATTACAG 120
DB 20136 TTGAACCTCTGACCTCAGGTGATCTCGCGCTCGGCTCCCAAGTGTGGGATTACAG 20077

QY 121 GCGTGAGCCACCGGCTCAGCTGAGTCCCGCCCTCGGCTCCCAAGTGTCTTACA 162
DB 20076 GCGTGAGCCACCGGCTCAGCTGAGTCCCGCCCTCGGCTCCCAAGTGTCTTAAAA 20035

RESULT 15
US-09-949-016-12122/c
; Sequence 12122, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12122
; LENGTH: 70828
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(70828)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12122

Query Match      34.0%; Score 122; DB 3; Length 70828;
Best Local Similarity 84.6%; Pred. No. 5.7e-21;
Matches 137; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY      1  CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCCCTCATCTTGGTCAGGCTGGTC 60
Db      3535  CCCGGCTAATTTTGTATTTTGTATTTTAGTAGAGACGGGGTTTCACCATGTTGGTCAGGCTGGTC 3476

QY      61  TCGAACTTCAAACTCAGGTGATCCGCCGCTCCGCCCTCCCAAAGTCTAGGATTACAG 120
Db      3475  TTGAACCTCCTGACCTCAGGTGATCTGCCGCCCTCCGCCCTCCCAAAGTCTGGGATTACAG 3416

QY      121  GCGTGAGCCACCGCGCTCAGCCTGGGACACCTTTTCTTACA 162
Db      3415  GCGTGAGCCACCGCGCGCCGCCAGTTTTTTACTTTTTCATAAA 3374
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Search completed: May 6, 2006, 10:53:37
Job time : 141 secs

GenCore version 5.1.8
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OM nucleic - nucleic search, using sw model

Run on: May 6, 2006, 12:06:01 ; Search time 575 seconds
(without alignments)
5162.968 Million cell updates/sec

Title: US-10-009-579A-5_COPY_3188_3546
Perfect score: 359
Sequence: 1 cccggctaatttctatctt.....ttttttatagtgcttgaa 359

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA Main:*

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2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
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10: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	359	100.0	4282	US-10-009-579-5	Sequence 5, Appli
2	124	34.5	2041	US-09-925-065A-72033	Sequence 72033, A
3	124	34.5	2041	US-09-925-065A-72034	Sequence 72034, A
4	124	34.5	2041	US-09-925-065A-72035	Sequence 72035, A
5	123.8	34.5	438	US-10-357-930-13830	Sequence 13830, A
6	123.6	34.4	1136	US-10-027-632-117277	Sequence 117277, A
7	123.6	34.4	1136	US-10-027-632-117278	Sequence 117278, A
8	123.6	34.4	1136	US-10-027-632-117279	Sequence 117279, A
9	123.6	34.4	1136	US-10-027-632-117280	Sequence 117280, A
10	123	34.3	53623	US-10-417-375-44	Sequence 44, Appl
11	122.4	34.1	160361	US-10-235-192A-35	Sequence 35, Appl
12	122	34.0	464	US-09-925-065A-51033	Sequence 51033, A
13	122	34.0	1031	US-09-925-065A-724096	Sequence 724096, A
14	122	34.0	321019	US-10-741-600-17566	Sequence 17566, A
15	122	34.0	329019	US-10-388-838-48	Sequence 48, Appl
16	121.8	33.9	381	US-09-867-701-6944	Sequence 6944, A
17	121.8	33.9	424	US-09-925-065A-47240	Sequence 47240, A
18	121.8	33.9	493	US-10-933-118-33	Sequence 33, Appl
19	121.8	33.9	556	US-10-450-763-26780	Sequence 26780, A
20	121.8	33.9	3470	US-10-357-930-25055	Sequence 25055, A
21	121.8	33.9	122673	US-10-737-082-33	Sequence 33, Appl
22	121.8	33.9	122673	US-10-765-790-33	Sequence 33, Appl
23	121.6	33.9	571	US-09-925-065A-684936	Sequence 684936, A

C	24	121.6	33.9	571	4	US-09-925-065A-684938	Sequence 684938, A
	25	121.6	33.9	591	5	US-10-027-632-267232	Sequence 267232, A
	26	121.6	33.9	591	6	US-10-027-632-267232	Sequence 267232, A
C	27	121.4	33.8	29221	8	US-10-719-993-6848	Sequence 6848, A
	28	121.4	33.8	106236	8	US-10-741-600-17759	Sequence 17759, A
C	29	121.4	33.8	246144	6	US-10-085-117-226	Sequence 226, A
C	30	121.2	33.8	289	5	US-10-115-278-4	Sequence 4, Appl
C	31	121.2	33.8	289	6	US-10-762-966-4	Sequence 15, Appl
C	32	121.2	33.8	291	6	US-09-925-058B-15	Sequence 684937, A
C	33	121.2	33.8	3202	4	US-09-925-065A-684937	Sequence 684937, A
	34	121.2	33.8	3202	4	US-09-925-065A-709882	Sequence 709882, A
C	35	121.2	33.8	3202	4	US-09-925-065A-709883	Sequence 709883, A
C	36	120.8	33.6	498	4	US-09-925-065A-704720	Sequence 704720, A
C	37	120.8	33.6	754	5	US-10-027-632-26761	Sequence 26761, A
C	38	120.8	33.6	754	6	US-10-027-632-26761	Sequence 26761, A
C	39	120.8	33.6	779	3	US-09-764-855-191	Sequence 191, A
C	40	120.8	33.6	779	5	US-10-072-349-191	Sequence 191, A
C	41	120.8	33.6	67253	9	US-10-737-082-88	Sequence 88, A
C	42	120.8	33.6	67253	9	US-10-765-790-88	Sequence 88, A
C	43	120.4	33.5	580	4	US-09-925-065A-563601	Sequence 563601, A
C	44	120.4	33.5	136726	6	US-10-085-117-244	Sequence 244, A
C	45	120.2	33.5	539	4	US-09-925-065A-933530	Sequence 933530, A

ALIGNMENTS

RESULT 1

US-10-009-579-5
; Sequence 5, Application US/10009579
; Publication No. US20020156041A1
; GENERAL INFORMATION:
; APPLICANT: Leij de, Lou F.M.H.
; APPLICANT: Ruiters, Marcel H.J.
; APPLICANT: McLaughlin, Pamela M.J.
; APPLICANT: Harmsen, Martin C.
; APPLICANT: Molen v.d., Henk
; APPLICANT: Terpstra, Peter
; APPLICANT: Dokter, Willem H.A.
; TITLE OF INVENTION: Non-squamous epithelium-specific transcription
; FILE REFERENCE: P520750S00
; CURRENT APPLICATION NUMBER: US/10/009,579
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: EP 00200728.4
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: PCT/NL01/00166
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 4282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(4282)
; OTHER INFORMATION: /note="EGF-2 promoter sequence from -3967 to +315"
US-10-009-579-5

Query Match	100.0%;	Score	359;	DB	5;	Length	4282;
Best Local Similarity	100.0%;	Pred. No.	1.5e-75;				
Matches	359;	Conservative	0;	Mismatches	0;	Gaps	0;
QY	1	CCCCGCTAATTTTGTATCTTTTGTAGACACGGCGTTCCTCCATGTTGGTCAGGCTGGTC	60				
Db	3188	CCCCGCTAATTTTGTATCTTTTGTAGACACGGCGTTCCTCCATGTTGGTCAGGCTGGTC	3247				
QY	61	TCGAACCTCAAAACCTCAGGTGATCCGCCCGCTCCGCCCTCCCAAAAGTGTAGGATTACAG	120				
Db	3248	TCGAACCTCAAAACCTCAGGTGATCCGCCCGCTCCGCCCTCCCAAAAGTGTAGGATTACAG	3307				
QY	121	GGGTGAGCCACCGCGCTCAGCCTCGGGAACACCTTTTCTTACATCTTCAAGTGTCAAGAAAT	180				

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Db 3308 GCGTGAGCCACCGCGCTCAGCTGGGAACACCTTTTCTTACATCTTCAAGTGTAGAAAT 3367
Qy 181 GCTTATGAAAAAGAAAAAGATTTAAGAGTAATTAAGAAACACTCTATTTTCTTC 240
Db 3368 GCTTATGAAAAAGAAAAAGATTTAAGAGTAATTAAGAAACACTCTATTTTCTTC 3427
Qy 241 CCAAGAGAGCCAAAGATTTCTTCTTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 300
Db 3428 CCAAGAGAGCCAAAGATTTCTTCTTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3487
Qy 301 AGGAGTATAATTAATTCAGGTAAGAGCTCAAGAGTCTTTTATAGTGTCTCGGAA 359
Db 3488 AGGAGTATAATTAATTCAGGTAAGAGCTCAAGAGTCTTTTATAGTGTCTCGGAA 3546
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RESULT 2

US-09-925-065A-72033/c

; Sequence 72033, Application US/09925065A

; Publication No. US20050228172A9

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single

; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.135

; CURRENT APPLICATION NUMBER: US/09/925,065A

; PRIOR FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: US 60/243,096

; PRIOR FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: US 60/252,147

; PRIOR FILING DATE: 2000-11-20

; PRIOR APPLICATION NUMBER: US 60/250,092

; PRIOR FILING DATE: 2000-11-30

; PRIOR APPLICATION NUMBER: US 60/261,766

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/289,846

; PRIOR FILING DATE: 2001-05-09

; NUMBER OF SEQ ID NOS: 957086

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 72033

; LENGTH: 2041

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-925-065A-72033

Query Match 34.5%; Score 124; DB 4; Length 2041;

Best Local Similarity 64.8%; Pred. No. 2.1e-19;

Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

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Db 1279 CCCGGCTAATTTTGTATTTTAGTAGAGACGGGTTTCCACCATGCTGGTCAGGCTGGTC 1220
Qy 61 TCGAACTTCAAACTCAGTGATCCGCGCTCGGCTCCCAAGTCTAGGATTACAG 120
Db 1219 TTGAACTCCCACTCAGTGATCCGCGCTCGGCTCCCAAGTCTAGGATTACAG 1160
Qy 121 GCGTGAGCCACCGCTCAGCTGAGTAATTAAGAGTAATTAAGAGTAATTAAGAGTAATTA 180
Db 1159 GCGTGAGCCACCGCGCGCTCAGTACCCCTCCCAAGTCTAGGATTACAG 1100
Qy 181 GCTTATGAAAAAGAAAAAGATTTAAGAGTAATTAAGAGTAATTAAGAGTAATTAAGAGTA 240
Db 1099 ATTATGAAAAAATATATGTCATGATGGGGGAGCAGATGCTATCATCTATGTTGAA 1040
Qy 241 CCAAGAGAGCCAAAGATTTCTTCTTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db 1039 AGTAGAAAACCCAGCAGATAAAATATAGACATGCTCTATCTATGTT 996
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RESULT 3

US-09-925-065A-72034/c

; Sequence 72034, Application US/09925065A

; Publication No. US20050228172A9

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single

; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.135

; CURRENT APPLICATION NUMBER: US/09/925,065A

; CURRENT FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: US 60/243,096

; PRIOR FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: US 60/252,147

; PRIOR FILING DATE: 2000-11-20

; PRIOR APPLICATION NUMBER: US 60/250,092

; PRIOR FILING DATE: 2000-11-30

; PRIOR APPLICATION NUMBER: US 60/261,766

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/289,846

; NUMBER OF SEQ ID NOS: 957086

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 72034

; LENGTH: 2041

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-925-065A-72034

Query Match 34.5%; Score 124; DB 4; Length 2041;

Best Local Similarity 64.8%; Pred. No. 2.1e-19;

Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

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Qy 1 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGGTTCTCCATGTTGGTCAGGCTGGTC 60
Db 1279 CCCGGCTAATTTTGTATTTTAGTAGAGACGGGTTTCCACCATGCTGGTCAGGCTGGTC 1220
Qy 61 TCGAACTTCAAACTCAGTGATCCGCGCTCGGCTCCCAAGTCTAGGATTACAG 120
Db 1219 TTGAACTCCCACTCAGTGATCCACCCCTCCCAAGTCTAGGATTACAG 1160
Qy 121 GCGTGAGCCACCGCTCAGCTGAGTAATTAAGAGTAATTAAGAGTAATTAAGAGTAATTA 180
Db 1159 GCGTGAGCCACCGCGCGCTCAGTACCCCTCCCAAGTCTAGGATTACAG 1100
Qy 181 GCTTATGAAAAAGAAAAAGATTTAAGAGTAATTAAGAGTAATTAAGAGTAATTAAGAGTA 240
Db 1099 ATTATGAAAAAATATATGTCATGATGGGGGAGCAGATGCTATCATCTATGTTGAA 1040
Qy 241 CCAAGAGAGCCAAAGATTTCTTCTTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db 1039 AGTAGAAAACCCAGCAGATAAAATATAGACATGCTCTATCTATGTT 996
```

RESULT 4

US-09-925-065A-72035/c

; Sequence 72035, Application US/09925065A

; Publication No. US20050228172A9

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single

; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.135

; CURRENT APPLICATION NUMBER: US/09/925,065A

; CURRENT FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: US 60/243,096

; PRIOR FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: US 60/252,147

; PRIOR FILING DATE: 2000-11-20

; PRIOR APPLICATION NUMBER: US 60/250,092

; PRIOR FILING DATE: 2000-11-30

; PRIOR APPLICATION NUMBER: US 60/261,766

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/289,846

; NUMBER OF SEQ ID NOS: 957086

; SOFTWARE: FastSeq for Windows Version 4.0


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; SEQ ID NO 72035
; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-72035

Query Match          34.5%; Score 124; DB 4; Length 2041;
Best Local Similarity 64.8%; Pred. No. 2.1e-19;
Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 1 CCGGGCTAAATTTGTATCTTTTAGTAGAGACGGCGTTCCTCATGTGTGTCAGGCTGGTC 60
DB 1279 CCGGGCTAAATTTGTATCTTTTAGTAGAGACGGCGTTCCTCATGTGTGTCAGGCTGGTC 1220

QY 61 TCGAACTTCAAACTCAGTGTATCCCGCCCTCGGCCCTCCAAAGTGTAGATTACAG 120
DB 1219 TTGAACCTCCAACTCAGTGTATCCCGCCCTCGGCCCTCCAAAGTGTAGATTACAG 1160

QY 121 GGTGTAGCCACCGCGCTCAGCGCTCGGGAACACCTTTTCTTACATCTTCAAGTGTAGAAAT 180
DB 1159 GGTGTAGCCACCGCGCCCGCCCTCAGTGTATCCCGCCCTCGGCCCTCCAAAGTGTAGAAAT 1100

QY 181 GCTTATGAAACGAAAAAGAAATTAATAAGAGTAATTAATAAGAAACACTCAATTTCTTC 240
DB 1099 ATTATGAAAAATAATATGCAATGATGGGGGAGCAGATGGTAGCTCATGTGTTGGAA 1040

QY 241 CCAAGAGCCCAAGATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 284
DB 1039 AGTAGAAAAACAGCAGATAAAATATAGACATGTCTATCTATGT 996

RESULT 5
US-10-357-930-13830
; Sequence 13830, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13830
; LENGTH: 438
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-357-930-13830

Query Match          34.5%; Score 123.8; DB 8; Length 438;
Best Local Similarity 68.8%; Pred. No. 1.2e-19;
Matches 170; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

QY 2 CCGGGCTAAATTTGTATCTTTTAGTAGAGCGGCTTCTCCTCATGTGTGTCAGGCTGGTCT 61
DB 1279 CCGGGCTAAATTTGTATCTTTTAGTAGAGCGGCTTCTCCTCATGTGTGTCAGGCTGGTCT 1220

Query Match          34.4%; Score 123.6; DB 5; Length 1136;
Best Local Similarity 64.4%; Pred. No. 2e-19;
Matches 183; Conservative 1; Mismatches 100; Indels 0; Gaps 0;

QY 1 CCGGGCTAAATTTGTATCTTTTAGTAGAGCGGCTTCTCCTCATGTGTGTCAGGCTGGTC 60
DB 367 CCGGGCTAAATTTGTATCTTTTAGTAGAGCGGCTTCTCCTCATGTGTGTCAGGCTGGTC 308

QY 61 TCGAACTTCAAACTCAGTGTATCCCGCCCTCGGCCCTCCCAAGTGTAGATTACAG 120
DB 307 TTGAACCTCCAACTCAGTGTATCCCGCCCTCGGCCCTCCCAAGTGTAGATTACAG 248

QY 121 GGTGTAGCCACCGCGCTCAGCGCTCGGGAACACCTTTTCTTACATCTTCAAGTGTAGAAAT 180
DB 247 GGTGTAGCCACCGCGCCCGCCCTCAGTGTATCCCGCCCTCGGCCCTCCCAAGTGTAGAAAT 188

QY 181 GCTTATGAAACGAAAAAGAAATTAATAAGAGTAATTAATAAGAAACACTCAATTTCTTC 240
DB 187 ATTATGAAAAATAATATGCGCATGTGGGGGAGCAGATGGTAGCTCATGTGTTGGAA 128

QY 241 CCAAGAGACCAAGATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 284
```


Qy	2	CGGGCTAAATTTTGTATCTTTTAGTAGACACGGCGTTCCTCCATGTTGGTCAGGCTGGTCT	61
Db	1	CGGGCTAACTTTTTTAT - TTTTAGTAGACACAGGGTTTCTCCATGTTGGTCAGGCTGGTCT	59
Qy	62	CGAACTTCAAACCTCAGGTGATCCGGCCGGCTCGCGCTCCCAAAGTCTAGGATTACAGG	121
Db	60	TGAACCTCCCAACCTCAGGTGATCCGGCCGGCTCGCGCTCCCAAAGTCTGGGATTATAGG	119
Qy	122	CGTAGGCCACCGCGCTCAGCTCGGGAACACCTTTTCTTACATCTTCAAGTGCTAGAAATG	181
Db	120	CGTAGGCCACTCGCGCTAGGCTGGAAGCTATTTTTTTTTTAAAGAAAACCTGGGAAG	179
Qy	182	CTTATGAAAACGAAAAAGAAATTATTAAGAGTAATTATAAGAAACACTCATTTCTTCCTC	241
Db	180	TACATATATGAAGAGAGATTTCTTAACATTTATTTGTGAAGCTTATCTATGCTCGAA	239
Qy	242	CAAGAGAGCAAGATTTCTTCCTTT	265
Db	240	TCMAACAGGCCACTTGACTCATTT	263

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RESULT 13
US-09-925-065A-724096
; Sequence 724096, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIORITY FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 724096
; LENGTH: 1031
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-724096

```

Query Match	34.0%;	Score 122;	DB 4;	Length 1031;
Best Local Similarity	68.0%;	Pred. No. 4.7e-15;		
Matches 170;	Conservative 0;	Mismatches 80;	Indels 0;	Gaps 0;
Qy	1	CCCCGGCTAAATTTCTATCTTTTAGTAGAGACGGGGTCTCTCCATGTTGGTCAGGCTGTC	60	
Db	338	CCCCGGCTAAATTTCTATCTTTTAGTAGAGATGACAGTTCTCTCCATGTTGGTCAGGCTGTC	397	
Qy	61	TCGAACTTCAAACTCTCAGGTGATCCGCCCGCTCGGCTCCCAAGTCTAGGATTACAG	120	
Db	398	TCGAACTTCGACCTCTCAGGTAAATCTGTCCGCTCGGCTCCCAAGTCTGGGATTACAG	457	
Qy	121	CGGTGAGCACCGCGCTCAGCCTCGGGAACACCTTTTCTTACATCTTCAAAGTCTAGAAT	180	
Db	458	CGGTGAGCAACCATGCCCGCTTACTTAATAACTTCTATAGAAGTGTTCCTCTCAA	517	
Qy	181	GCATTATGAAACGAAAGAAATATTAAAGAGTAATTATAAGAAACACTCATTTCTTC	240	
Db	518	ATTTTGTCTGGTTAAATAAAATAAGACAGTGTCTCTATTAGCATTTCAAATGTAIC	577	
Qy	241	CCAAAGAGAGC	250	
Db	578	CACAGTATGC	587	

RESULT 14

US-10-741-600-17566/c

; Sequence 17566, Application US/10741600

; Publication No. US20050026169A1

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001499

; CURRENT APPLICATION NUMBER: US/10/741,600

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 73997

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 17566

; LENGTH: 321019

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (1)...(321019)

; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-10)

US-10-741-600-17566

[illegible]

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RESULT 15
US-10-388-838-48/c
; Sequence 48, Application US/10388838
; Publication No. US20040180344A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc Malandro
; TITLE OF INVENTION: Novel Therapeutic Targets in Cancer
; FILE REFERENCE: 529452001600
; CURRENT APPLICATION NUMBER: US/10/388,838
; CURRENT FILING DATE: 2003-03-14
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 329019
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(329019)
; OTHER INFORMATION: n = A,T,C or G
US-10-388-838-48

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Query Match	34.0%	Score 122;	DB 8;	Length 329019;
Best Local Similarity	76.8%	Pred. No. 5.1e-18;		
Matches 149; Conservative	0;	Mismatches 45;	Indels 0;	Gaps 0;

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QY      2  CCGGCTAATTTTGTATCTTTTAGTAGAGACGGGTTCTCCATGTTGGTCAGGCTGGTCT 61
Db      171636  CTGGTTAATTTTGTATTTTITAGTAGAGATGGGTTTCTCCATGTTGGTCAGGCTGGT 171577

QY      62  CGAACTTCAAACCTCAGGTGATCCGCCCGCCTCGGCCTCCCAAAGTGTAGGATTACAGG 121
Db      171576  CGAACTCCTGACCTCAGGTGATCCGGCCGCCTCAGCCTCTCAAAGTGTCTGGGATTACAGG 171517

QY     122  CGTGAGCCACCGGCTCAGGCTGGGAACACCTTTTCTTACATCTTCAAGTGTAGAAATG 181
Db     171516  CGTGAGCCACCGGCTCCAGCCAGAGAAGAAATTTCTTAAATCTTAGGTTGTCTACAGAC 171457

QY     182  CTTATGAAAACGAA 195
Db     171456  AATATGAAAAGCAAA 171443
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Search completed: May 6, 2006, 12:21:06
Job time : 578 secs

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GenCore version 5.1.8
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 6, 2006, 12:11:37 ; Search time 423 Seconds
(without alignments)
3456.361 Million cell updates/sec

Title: US-10-009-579A-5_COPY_3188_3546

Perfect score: 359

Sequence: 1 cccggctaatttgcattt.....ttttttatagttcttgaa 359

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 9306428 seqs, 2036268586 residues

Total number of hits satisfying chosen parameters: 18612856

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA New:*

- 1: /SIDSS/ptodata/1/pubpna/US08_NEW_PUB.seq1.*
- 2: /SIDSS/ptodata/1/pubpna/US06_NEW_PUB.seq.*
- 3: /SIDSS/ptodata/1/pubpna/US07_NEW_PUB.seq.*
- 4: /SIDSS/ptodata/1/pubpna/US08_NEW_PUB.seq.*
- 5: /SIDSS/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
- 6: /SIDSS/ptodata/1/pubpna/US09_NEW_PUB.seq1.*
- 7: /SIDSS/ptodata/1/pubpna/US09_NEW_PUB.seq2.*
- 8: /SIDSS/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 9: /SIDSS/ptodata/1/pubpna/US10_NEW_PUB.seq1.*
- 10: /SIDSS/ptodata/1/pubpna/US10_NEW_PUB.seq2.*
- 11: /SIDSS/ptodata/1/pubpna/US10_NEW_PUB.seq3.*
- 12: /SIDSS/ptodata/1/pubpna/US11_NEW_PUB.seq1.*
- 13: /SIDSS/ptodata/1/pubpna/US11_NEW_PUB.seq4.*
- 14: /SIDSS/ptodata/1/pubpna/US11_NEW_PUB.seq2.*
- 15: /SIDSS/ptodata/1/pubpna/US11_NEW_PUB.seq3.*
- 16: /SIDSS/ptodata/1/pubpna/US11_NEW_PUB.seq4.*
- 17: /SIDSS/ptodata/1/pubpna/US11_NEW_PUB.seq5.*
- 18: /SIDSS/ptodata/1/pubpna/US11_NEW_PUB.seq.*
- 19: /SIDSS/ptodata/1/pubpna/US60_NEW_PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	124	34.5	2041	7	US-09-925-065A-72033
C 2	124	34.5	2041	7	US-09-925-065A-72034
C 3	124	34.5	2041	7	US-09-925-065A-72035
C 4	124	34.5	2041	11	US-10-301-480-173272
C 5	124	34.5	2041	11	US-10-301-480-173273
C 6	124	34.5	2041	11	US-10-301-480-173274
C 7	124	34.5	2041	12	US-10-301-480-173275
C 8	124	34.5	2041	12	US-10-301-480-173276
C 9	124	34.5	2041	12	US-10-301-480-173277
C 10	122.2	34.0	63984	17	US-11-121-086-26
C 11	122	34.0	464	7	US-09-925-065A-591033
C 12	122	34.0	1031	7	US-09-925-065A-724096
C 13	122	34.0	321019	10	US-10-995-561-13204
C 14	121.8	33.9	424	7	US-09-925-065A-47240

15	121.8	33.9	424	11	US-10-301-480-148478	Sequence 148478,
16	121.8	33.9	424	12	US-10-301-480-761887	Sequence 761887,
C 17	121.6	33.9	571	7	US-09-925-065A-684936	Sequence 684936,
C 18	121.6	33.9	571	7	US-09-925-065A-684938	Sequence 684938,
19	121.6	33.9	18745	17	US-11-121-086-83	Sequence 83, Appl
C 20	121.4	33.8	830	12	US-10-301-480-550662	Sequence 550662,
C 21	121.4	33.8	830	12	US-10-301-480-1164071	Sequence 1164071,
C 22	121.2	33.8	571	7	US-09-925-065A-684937	Sequence 684937,
C 23	121.2	33.8	3202	7	US-09-925-065A-709882	Sequence 709882,
24	121.2	33.8	3202	7	US-09-925-065A-709883	Sequence 709883,
C 25	120.8	33.6	498	7	US-09-925-065A-704720	Sequence 704720,
C 26	120.4	33.5	539	7	US-09-925-065A-563601	Sequence 563601,
C 27	120.2	33.5	539	7	US-09-925-065A-533530	Sequence 533530,
C 28	120.2	33.5	1257	11	US-10-301-480-38290	Sequence 38290, A
C 29	120.2	33.5	1257	12	US-10-301-480-651699	Sequence 651699,
C 30	120.2	33.5	23983	10	US-10-995-561-13491	Sequence 13491, A
C 31	120	33.4	622	7	US-09-925-065A-764373	Sequence 764373,
C 32	120	33.4	1353	7	US-09-925-065A-694967	Sequence 694967,
C 33	120	33.4	1353	7	US-09-925-065A-694968	Sequence 694968,
C 34	120	33.4	1353	7	US-09-925-065A-694969	Sequence 694969,
C 35	119.8	33.4	16082	10	US-10-995-561-13485	Sequence 13485, A
C 36	119.8	33.4	23894	10	US-10-995-561-13320	Sequence 13320, A
C 37	119.6	33.3	978	12	US-10-301-480-581571	Sequence 581571,
C 38	119.6	33.3	978	12	US-10-301-480-1194980	Sequence 1194980,
C 39	119.4	33.3	580	7	US-09-925-065A-104751	Sequence 104751,
C 40	119.4	33.3	583	11	US-10-301-480-204893	Sequence 204893,
C 41	119.4	33.3	583	12	US-10-301-480-818302	Sequence 818302,
C 42	119.4	33.3	1304	7	US-09-925-065A-706696	Sequence 706696,
C 43	119.4	33.3	1304	7	US-09-925-065A-706697	Sequence 706697,
C 44	119.4	33.3	167116	17	US-11-121-086-44	Sequence 44, Appl
C 45	119.2	33.2	127943	11	US-10-330-773-628	Sequence 628, App

ALIGNMENTS

RESULT 1

US-09-925-065A-72033/c
; Sequence 72033, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 72033
; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-72033

Query Match 34.5%; Score 124; DB 7; Length 2041;

Best Local Similarity 64.8%; Pred. No. 5.7e+03;
Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 1 CCGCGCTAATTTGTATCTTTTAGTAGACGCGGTCCTCCATGTTGTCAGCGTGC 60
|||||
DB 1279 CCGCGCTAATTTGTATCTTTTAGTAGACGCGGTTTCCATGCTGCTGCGTGC 1220
|||||

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QY 61 TCGAACTTCAAACTCAGGTGATCCGCCCGCTCGGCTCCCAAAGTCTAGGATTACAG 120
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1219 TTGAACCTCCCAACTCAGGTGATCCACCACCCCTCGGCTCCCAAAGTCTAGGATTACAG 1160
QY 121 CGGTAGCCACCGCGCTCAGCTGGGACACCTTTTCTTACATCTTCAAGTCTAGAAAT 180
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1159 GCGTGACCCACCGCGCGCGCTCTACTACCCCTTTTCTATATTAACAATGAACAATTA 1100
QY 181 GCTTATGAAAACGMAAAAGAAATTAATTAAGAGTAATTAATAAGAAACACTCATTTTCTTC 240
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1099 ATTATGAAAATAATATGCGATGATGGGGGAGCAGATGCTAGCTCATCATGTTGGAA 1040
QY 241 CCAAGAGCCCAAGATTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1039 AGTAGAAAACGACGAGATAAATAATAGACATGCTCTATCTATGTT 996
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RESULT 2

US-09-925-065A-72034/c

; Sequence 72034, Application US/09925065A

; Publication No. US20040181048A1

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single

; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.135

; CURRENT APPLICATION NUMBER: US/09/925,065A

; PRIOR FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: US 60/243,096

; PRIOR FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: US 60/252,147

; PRIOR FILING DATE: 2000-11-20

; PRIOR APPLICATION NUMBER: US 60/250,092

; PRIOR FILING DATE: 2000-11-30

; PRIOR APPLICATION NUMBER: US 60/261,766

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/289,846

; PRIOR FILING DATE: 2001-05-09

; NUMBER OF SEQ ID NOS: 957086

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 72034

; LENGTH: 2041

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-925-065A-72034

Query Match 34.5%; Score 124; DB 7; Length 2041;

Best Local Similarity 64.8%; Pred. No. 5.7e+03;

Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

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QY 1 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCCTCCATGTTGGTCAGGCTGGTC 60
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1279 CCCGGCTAATTTTGTATTTTAGTAGAGACGGGTTTCACCATGCTGGTCAGGCTGGTC 1220
QY 61 TCGAACTTCAAACTCAGGTGATCCGCCCGCTCGGCTCCCAAAGTCTAGGATTACAG 120
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1219 TTGAACCTCCCAACTCAGGTGATCCACCACCCCTCGGCTCCCAAAGTCTAGGATTACAG 1160
QY 121 CGGTAGCCACCGCGCTCAGCTGGGACACCTTTTCTTACATCTTCAAGTCTAGAAAT 180
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1159 GCGTGACCCACCGCGCGCGCTCTACTACCCCTTTTCTATATTAACAATGAACAATTA 1100
QY 181 GCTTATGAAAACGMAAAAGAAATTAATTAAGAGTAATTAATAAGAAACACTCATTTTCTTC 240
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1099 ATTATGAAAATAATATGCGATGATGGGGGAGCAGATGCTAGCTCATCATGTTGGAA 1040
QY 241 CCAAGAGCCCAAGATTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1039 AGTAGAAAACGACGAGATAAATAATAGACATGCTCTATCTATGTT 996
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RESULT 3

US-09-925-065A-72035/c

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; Sequence 72035, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 72035
; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-72035
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Query Match 34.5%; Score 124; DB 7; Length 2041;

Best Local Similarity 64.8%; Pred. No. 5.7e+03;

Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

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QY 1 CCCGGCTAATTTTGTATCTTTTAGTAGAGACGGCGTTCCTCCATGTTGGTCAGGCTGGTC 60
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1279 CCCGGCTAATTTTGTATTTTAGTAGAGACGGGTTTCACCATGCTGGTCAGGCTGGTC 1220
QY 61 TCGAACTTCAAACTCAGGTGATCCGCCCGCTCGGCTCCCAAAGTCTAGGATTACAG 120
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1219 TTGAACCTCCCAACTCAGGTGATCCACCACCCCTCGGCTCCCAAAGTCTAGGATTACAG 1160
QY 121 CGGTAGCCACCGCGCTCAGCTGGGACACCTTTTCTTACATCTTCAAGTCTAGAAAT 180
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1159 GCGTGACCCACCGCGCGCGCTCTACTACCCCTTTTCTATATTAACAATGAACAATTA 1100
QY 181 GCTTATGAAAACGMAAAAGAAATTAATTAAGAGTAATTAATAAGAAACACTCATTTTCTTC 240
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1099 ATTATGAAAATAATATATGCGATGATGGGGGAGCAGAAATGCTAGCTCATCATGTTGGAA 1040
QY 241 CCAAGAGCCCAAGATTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1039 AGTAGAAAACGACGAGATAAATAATAGACATGCTCTATCTATGTT 996
```

RESULT 4

US-10-301-480-173272/c

; Sequence 173272, Application US/10301480

; Publication No. US20060057564A1

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms

; FILE OF INVENTION: in the Human Genome

; FILE REFERENCE: 108827.137

; CURRENT APPLICATION NUMBER: US/10/301,480

; CURRENT FILING DATE: 2002-11-21

; PRIOR APPLICATION NUMBER: US 10/215,598

; PRIOR FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: US 60/311,695

; PRIOR FILING DATE: 2001-08-10

; NUMBER OF SEQ ID NOS: 1226818

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 173272

; LENGTH: 2041

; TYPE: DNA

; ORGANISM: Homo sapien

US-10-301-480-173272

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Query Match          34.5%; Score 124; DB 11; Length 2041;
Best Local Similarity 64.8%; Pred. No. 5.7e+03;
Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 1 CCGGCTAATTTTGTATCTTTAGTAGAGACGGCTCTCCATCTTGGTCAGGCTGGTC 60
Db 1279 CCGGCTAATTTTGTATCTTTAGTAGAGACGGGTTTCCATGCTGGTCAGGCTGGTC 1220

QY 61 TCGAACTTCAAACTCAGGTGATCCGCCGCTCCGAGTCCCAAGTGTAGGATTACAG 120
Db 1219 TTGAACCTCCAACTCAGGTGATCCACCCTCCGAGTCCCAAGTGTAGGATTACAG 1160

QY 121 GGTGAGCCACCGCTCAGCTGAGTGGGACACCTTTTCTTACATCTTCAAGTCTAGAAAT 180
Db 1159 GGTGAGCCACCGCTCAGCTGAGTGGGACACCTTTTCTTATATCAATATGAACAATTA 1100

QY 181 GCTTATGAAACGAAAGAAATTTAAGAGTAATTAAGAGTAATTAAGAGTAATTTCTTC 240
Db 1099 ATTATGAAAGAAATTAATGAGTAATTTAAGAGTAATTAAGAGTAATTTCTTC 240

QY 241 CCAAGAGAGCCAGAGATTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db 1039 AGTAGAAACCCAGCAGATAAAATATAGACATGCTCTATCTATGTT 996
```

RESULT 5

```
US-10-301-480-173273/c
; Sequence 173273, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US 10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 173273
; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-173273
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```
Query Match          34.5%; Score 124; DB 11; Length 2041;
Best Local Similarity 64.8%; Pred. No. 5.7e+03;
Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 1 CCGGCTAATTTTGTATCTTTAGTAGAGACGGCTCTCCATGTTGGTCAGGCTGGTC 60
Db 1279 CCGGCTAATTTTGTATCTTTAGTAGAGACGGGTTTCCATGCTGGTCAGGCTGGTC 1220

QY 61 TCGAACTTCAAACTCAGGTGATCCGCCGCTCCGAGTCCCAAGTGTAGGATTACAG 120
Db 1219 TTGAACCTCCAACTCAGGTGATCCACCCTCCGAGTCCCAAGTGTAGGATTACAG 1160

QY 121 GGTGAGCCACCGCTCAGCTGAGTGGGACACCTTTTCTTACATCTTCAAGTGTAGAAAT 180
Db 1159 GGTGAGCCACCGCTCAGCTGAGTGGGACACCTTTTCTTATATCAATATGAACAATTA 1100

QY 181 GCTTATGAAACGAAAGAAATTTAAGAGTAATTAAGAGTAATTAAGAGTAATTTCTTC 240
Db 1099 ATTATGAAAGAAATTAATGAGTAATTTAAGAGTAATTAAGAGTAATTTCTTC 240

QY 241 CCAAGAGAGCCAGAGATTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db 1039 AGTAGAAACCCAGCAGATAAAATATAGACATGCTCTATCTATGTT 996
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RESULT 6

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US-10-301-480-173274/c
; Sequence 173274, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US 10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 173274
; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-173274
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Query Match          34.5%; Score 124; DB 11; Length 2041;
Best Local Similarity 64.8%; Pred. No. 5.7e+03;
Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 1 CCGGCTAATTTTGTATCTTTAGTAGAGACGGCTCTCCATGTTGGTCAGGCTGGTC 60
Db 1279 CCGGCTAATTTTGTATCTTTAGTAGAGACGGGTTTCCATGCTGGTCAGGCTGGTC 1220

QY 61 TCGAACTTCAAACTCAGGTGATCCGCCGCTCCGAGTCCCAAGTGTAGGATTACAG 120
Db 1219 TTGAACCTCCAACTCAGGTGATCCACCCTCCGAGTCCCAAGTGTAGGATTACAG 1160

QY 121 GGTGAGCCACCGCTCAGCTGAGTGGGACACCTTTTCTTACATCTTCAAGTGTAGAAAT 180
Db 1159 GGTGAGCCACCGCTCAGCTGAGTGGGACACCTTTTCTTATATCAATATGAACAATTA 1100

QY 181 GCTTATGAAACGAAAGAAATTTAAGAGTAATTAAGAGTAATTAAGAGTAATTTCTTC 240
Db 1099 ATTATGAAAGAAATTAATGAGTAATTTAAGAGTAATTAAGAGTAATTTCTTC 240

QY 241 CCAAGAGAGCCAGAGATTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db 1039 AGTAGAAACCCAGCAGATAAAATATAGACATGCTCTATCTATGTT 996
```

RESULT 7

```
US-10-301-480-786681/c
; Sequence 786681, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US 10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 786681
; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-786681
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Query Match 34.5%; Score 124; DB 12; Length 2041;
Best Local Similarity 64.8%; Pred. No. 5.7e+03;
Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

Qy 1 CCCGCTAAATTTTGTATCTTTTAGTAGAGACGGGTTCTCCATGTTGGTCAGGCTGGTC 60
Db 1279 CCCGCTAAATTTTGTATCTTTTAGTAGAGACGGGTTTCCACATGCTGGTCAGGCTGGTC 1220

Qy 61 TCGAACTTCAAACTCAGGTGATCGCGCGCTCGGCTCCCAAAGTGTAGGATTACAG 120
Db 1219 TTGAACTCCCACTCAGGTGATCGCGCGCTCGGCTCCCAAAGTGTAGGATTACAG 1160

Qy 121 GCGTGAGCCCGGCTCAGCTGGAACACTTTTCTTACATCTTCAAGTGTAGAAAT 180
Db 1159 GCGTGAGCCCGGCTCAGCTGGAACACTTTTCTTACATCTTCAAGTGTAGAAAT 1100

Qy 181 GCTTATGAAACGAAAGAAATATTAAAGTAGTAATATAAGAGAAACACTATTTCTTC 240
Db 1099 ATTATGAAATAATATATGCGATGATGGGGGAGCAGATGCTAGCTCATCTGTGGAA 1040

Qy 241 CCAAGAGAGCCCAAGATTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db 1039 AGTAGAAAACCGAGAGATAAAATATAGACATGTCTATCTATGTT 996

RESULT 8
US-10-301-480-786682/c
; Sequence 786682, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE OF INVENTION: in the Human Genome
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 786682
; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-786682

Query Match 34.5%; Score 124; DB 12; Length 2041;
Best Local Similarity 64.8%; Pred. No. 5.7e+03;
Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

Qy 1 CCCGCTAAATTTTGTATCTTTTAGTAGAGACGGGTTCTCCATGTTGGTCAGGCTGGTC 60
Db 1279 CCCGCTAAATTTTGTATCTTTTAGTAGAGACGGGTTTCCACATGCTGGTCAGGCTGGTC 1220

Qy 61 TCGAACTTCAAACTCAGGTGATCGCGCGCTCGGCTCCCAAAGTGTAGGATTACAG 120
Db 1219 TTGAACTCCCACTCAGGTGATCGCGCGCTCGGCTCCCAAAGTGTAGGATTACAG 1160

Qy 121 GCGTGAGCCCGGCTCAGCTGGAACACTTTTCTTACATCTTCAAGTGTAGAAAT 180
Db 1159 GCGTGAGCCCGGCTCAGCTGGAACACTTTTCTTACATCTTCAAGTGTAGAAAT 1100

Qy 181 GCTTATGAAACGAAAGAAATATTAAAGTAGTAATATAAGAGAAACACTATTTCTTC 240
Db 1099 ATTATGAAATAATATATGCGATGATGGGGGAGCAGATGCTAGCTCATCTGTGGAA 1040

Qy 241 CCAAGAGAGCCCAAGATTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db 1039 AGTAGAAAACCGAGAGATAAAATATAGACATGTCTATCTATGTT 996

RESULT 9
US-10-301-480-786683/c
; Sequence 786683, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE OF INVENTION: in the Human Genome
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 786683
; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-786683

Query Match 34.5%; Score 124; DB 12; Length 2041;
Best Local Similarity 64.8%; Pred. No. 5.7e+03;
Matches 184; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

Qy 1 CCCGCTAAATTTTGTATCTTTTAGTAGAGACGGGTTCTCCATGTTGGTCAGGCTGGTC 60
Db 1279 CCCGCTAAATTTTGTATCTTTTAGTAGAGACGGGTTTCCACATGCTGGTCAGGCTGGTC 1220

Qy 61 TCGAACTTCAAACTCAGGTGATCGCGCGCTCGGCTCCCAAAGTGTAGGATTACAG 120
Db 1219 TTGAACTCCCACTCAGGTGATCGCGCGCTCGGCTCCCAAAGTGTAGGATTACAG 1160

Qy 121 GCGTGAGCCCGGCTCAGCTGGAACACTTTTCTTACATCTTCAAGTGTAGAAAT 180
Db 1159 GCGTGAGCCCGGCTCAGCTGGAACACTTTTCTTACATCTTCAAGTGTAGAAAT 1100

Qy 181 GCTTATGAAACGAAAGAAATATTAAAGTAGTAATATAAGAGAAACACTATTTCTTC 240
Db 1099 ATTATGAAATAATATATGCGATGATGGGGGAGCAGATGCTAGCTCATCTGTGGAA 1040

Qy 241 CCAAGAGAGCCCAAGATTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
Db 1039 AGTAGAAAACCGAGAGATAAAATATAGACATGTCTATCTATGTT 996

RESULT 10
US-11-121-086-26
; Sequence 26, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 26
; LENGTH: 63984
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-26

Query Match 34.0%; Score 122.2; DB 17; Length 63984;
Best Local Similarity 90.9%; Pred. No. 6.3e+02;
Matches 130; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

